

# **MACHINE LEARNING AIDED AIR TRAFFIC FLOW ANALYSIS BASED ON AVIATION BIG DATA**

A project report submitted to Fatima College (Autonomous) affiliated to Madurai Kamaraj  
University in partial fulfilment of the requirements for the  
Degree of Master of Science in Computer Science

Submitted by

**C.AARTHI( 2021MSCB01)**



**DEPARTMENT OF COMPUTER SCIENCE**

**FATIMA COLLEGE (Autonomous)  
Re – Accredited with 'A++' Grade by NAAC (IV Cycle)  
Mary Land, Madurai-18.**

**JUNE-2022-2023**

**FATIMA COLLEGE (AUTONOMOUS), MADURAI-18**

**DEPARTMENT OF COMPUTER SCIENCE**



**BONAFIDE CERTIFICATE**

This is to certify that this project entitle "MACHINE LEARNING AIDED AIR TRAFFIC ANALYSIS BASED ON AVIATION BIG DATA" is a Bonafide record of the project work done by C.AARTHI(2021MSCB01) in partial fulfilment of the requirement for the award of the Degree of MASTER OF SCIENCE in COMPUTER SCIENCE.

Submitted for the Viva-Voce Examination held on 11.04.2023

*P. Maenalesh*  
INTERNAL EXAMINER

*[Signature]* 11/04/23  
EXTERNAL EXAMINER

## DECLARATION

I hereby declare that the project entitled “**MACHINE LEARNING AIDED AIR TRAFFIC ANALYSIS BASED ON AVIATION BIG DATA**” is a project report of the original work done by me. This project work is submitted to Fatima College (Autonomous, Affiliated to Madurai Kamaraj University) in partial fulfilment of the Degree of Master of Science in Computer Science during the academic year 2022-2023.

I declare that this project work or any part there of has not been submitted for getting any Degree or Diploma from any University or College

Place: Madurai

*C. Aarthi*  
Signature

Date: 11.04.2023

C.AARTHI(2021MSCB01)



GOOD-BLUE: 2022-2023

Date: 06/04/2023

**TO WHOM SO EVER IT MAY CONCERN**

This is to certify that Ms C. AARTHI (Reg. No: 2021MSCB01) student of Final year M.Sc., (Computer Science) from FATIMA COLLEGE, Madurai. She has done her INTERNSHIP FINAL YEAR PROJECT title on "MACHINE LEARNING AIDED AIR TRAFFIC FLOW ANALYSIS BASED ON AVIATION BIG DATA" in our organization GOOD-BLUE TECHNOLOGY during the period of December 2022 to April 2023.

We have that during the period she has shown keen interest in her assignment and was also regular attendance.

With Regards,  
  
Project Coordinator

**GOOD-BLUE TECHNOLOGY**

# 4/214 Malligai Veethi, Thashildhar Nagar, Madurai 625020, Tamilnadu, India  
0452 4242867 | +91 99440 53888 | info@good-blue.in | www.good-blue.in



# **A KEY-POLICY ATTRIBUTE-BASED TEMPORARY KEYWORD SEARCH SCHEME FOR SECURE CLOUD STORAGE**

A Project work submitted to Fatima College (Autonomous) affiliated to Madurai Kamaraj  
University in partial fulfillment of the requirements for the  
Degree of Master of Science in Computer Science

Submitted by

**T. ASHWANYA (2021MSCB02)**



**DEPARTMENT OF COMPUTER SCIENCE**

**FATIMA COLLEGE (Autonomous)**  
**Re – Accredited with ‘A++’ Grade by NAAC (IV Cycle)**  
**Mary Land, Madurai-18.**

**APRIL – 2023**

**FATIMA COLLEGE (AUTONOMOUS), Madurai-18**


**DEPARTMENT OF COMPUTER SCIENCE**



**BONAFIDE CERTIFICATE**

This is to certify that this project entitled “A KEY-POLICY ATTRIBUTE-BASED TEMPORARY KEYWORD SEARCH SCHEME FOR SECURE CLOUD STORAGE” is a bonafide record of the project work done by T. ASHWANYA (2021MSCB02) in partial fulfillment of the requirement for the award of the Degree of MASTER OF SCIENCE in COMPUTER SCIENCE.

Submitted for the Viva-Voce Examination held on 11/04/2023

  
INTERNAL EXAMINER

 11/4/23  
EXTERNAL EXAMINER

## DECLARATION

I hereby declare that the project entitled “A KEY-POLICY ATTRIBUTE-BASED TEMPORARY KEYWORD SEARCH SCHEME FOR SECURE CLOUD STORAGE” is a project report of the original work done by me. This project work is submitted to Fatima College (Autonomous), affiliated to Madurai Kamaraj University, in partial fulfillment of the Degree of Master of Science in Computer Science during the academic year 2022-2023.

I declare that this project work or any part thereof has not been submitted for getting any Degree or Diploma from any University or College.

Place: Madurai

*T. Ashwanya*  
Signature

Date: 11/04/2023

T.ASHWANYA (2021MSCB02)




**SAAIESH GROUP: 2022-2023**

**Date: 06/04/2023**

**TO WHOM SO EVER IT MAY CONCERN**

This is to certify that Ms T. ASHWANYA (Reg. No: 2021MSCB02) student of Final year M.Sc., (Computer Science) from FATIMA COLLEGE, Madurai. She has done her INTERNSHIP FINAL YEAR PROJECT title on "A KEY-POLICY ATTRIBUTE-BASED TEMPORARY KEYWORD SEARCH SCHEME FOR SECURE CLOUD STORAGE" in our organization SAAIESH GROUP INC during the period of December 2022 to April 2023.

We have that during the period she has shown keen interest in her assignment and was also regular attendance.

With best regards,  
  
Project Coordinator

**SAAIESH GROUP INC**

**Head Office:**

1/27, 3rd Floor, Mall Road, Tilak Nagar, New Delhi 110018

[www.saaiesgroups.com](http://www.saaiesgroups.com) | [www.saaieshgroup.com](http://www.saaieshgroup.com)

Call: +91 73581 20388 | +91 93542 78338

**California:**

758 Vasona St, Milpitas CA 95035

**Madurai:**

Flat No. 5, Theppakulam, (Near SBI Bank) Anuppanadi  
Madurai - 625009, Tamil Nadu

# **TOWARDS DETECTING COMPROMISED ACCOUNTS ON SOCIAL NETWORKS**

A Project work submitted to Fatima College (Autonomous) affiliated to  
Madurai Kamaraj University in partial fulfillment of the requirements for the  
Degree of Master of Science in Computer Science

Submitted by

**D.CELCIA (2021MSCB03)**



**DEPARTMENT OF COMPUTER SCIENCE**

**FATIMA COLLEGE (Autonomous)  
Re – Accredited with ‘A++’ Grade by NAAC (IV  
Cycle) Mary Land, Madurai-18.**

**APRIL – 2023**



**DEPARTMENT OF COMPUTER SCIENCE  
FATIMA COLLEGE (AUTONOMOUS)  
(College with Potential for Excellence)  
(Re-Accredited with 'A++' grade by NAAC)  
(National Level 74<sup>th</sup> Rank – NIRF)  
Madurai - 625 018**



**BONAFIDE CERTIFICATE**

This is to certify that this project entitled **"TOWARDS DETECTING COMPROMISED ACCOUNTS ON SOCIAL NETWORKS"** is a bonafide record of the project work done by **D.CELCIA (2021MSCB03)** in partial fulfillment of the requirement for the award of the Degree of **MASTER OF SCIENCE in COMPUTER SCIENCE**.

Submitted for the Viva-Voce Examination held on 11-04-2023

  
**INTERNAL EXAMINER**

  
**EXTERNAL EXAMINER**

## DECLARATION

I hereby declare that the project entitled "TOWARDS DETECTING COMPROMISED ACCOUNTS ON SOCIAL NETWORKS" is a project report of the original work done by me. This Project work is submitted to Fatima College (Autonomous), affiliated to Madurai Kamaraj University, in partial fulfillment of the Degree of Master of Science in Computer Science during the academic year 2022-2023.

I declare that this project work or any part thereof has not been submitted for getting any Degree or Diploma from any University or College.

**Place: Madurai**

**Date: 11-04-2023**

  
**Signature**

**D.CELCIA**  
**(2021MSCB03)**



INTELLECT'Z: 2022-2023

Date: 06/04/2023

TO WHOM SO EVER IT MAY CONCERN

This is to certify that Ms D. CELCIA (Reg. No: 2021MSCB03) student of Final year M.Sc., (Computer Science) from FATIMA COLLEGE, Madurai. She has done her INTERNSHIP FINAL YEAR PROJECT title on "TOWARDS DETECTING COMPROMISED ACCOUNTS ON SOCIAL NETWORKS" in our organization INTELLECT'Z SOLUTION during the period of December 2022 to April 2023.

We have that during the period she has shown keen interest in her assignment and was also regular attendance.



INTELLECT'Z SOLUTION

Address: #A173, ANNA NAGAR, MADURAI 625 020

Reach Us: +91 97401 57003

info@intellectz.in | www.intellectz.in

# **FAKE JOB RECRUITMENT DETECTION USING MACHINE LEARNING APPROACH**

A Project work submitted to Fatima College (Autonomous) affiliated to Madurai Kamaraj  
University in partial fulfillment of the requirements for the  
Degree of Master of Science in Computer Science

Submitted by

**B. GAYATHRIMENAGA (2021MSCB04)**



**DEPARTMENT OF COMPUTER SCIENCE**

**FATIMA COLLEGE (Autonomous)**  
**Re – Accredited with ‘A++’ Grade by NAAC (Cycle-IV)**  
**Mary Land, Madurai-18.**

**APRIL-2023**

**FATIMA COLLEGE (AUTONOMOUS), MADURAI-18**

**DEPARTMENT OF COMPUTER SCIENCE**



**BONAFIDE CERTIFICATE**

This is to certify that this project entitled “**FAKE JOB RECRUITMENT DETECTION USING MACHINE LEARNING APPROACH**” is a Bonafide record of the project work done by **B.GAYATHRIMENAGA (2021MSCB04),** in partial fulfillment of the requirement for the award of the Degree of **MASTER OF SCIENCE** in **COMPUTER SCIENCE**.

Submitted for the Viva-Voce Examination held on 11.04.2023

*C. Jey.*  
**INTERNAL EXAMINER**

*[Signature]* 11/4/23  
**EXTERNAL EXAMINER**



## **DECLARATION**

I hereby declare that the project entitled “**FAKE JOB RECRUITMENT DETECTION USING MACHINE LEARNING APPROACH**” is a project report of the original work done by me. This project work is submitted to Fatima College (Autonomous, Affiliated to Madurai Kamaraj University) in partial fulfilment of the Degree of Master of Science in Computer Science during the academic year 2022-2023.

I declare that this project work or any part thereof has not been submitted for getting any Degree or Diploma from any University or College.



**Signature**

**Place: Madurai**

**Date: 11.04.2023**

**B. GAYATHRIMENAGA (2021MSCB04)**

INTELLECT'Z: 2022-2023

Date: 06/04/2023

**TO WHOM SO EVER IT MAY CONCERN**

This is to certify that Ms B. GAYATHRIMENAGA (Reg. No: 2021MSCB04) student of Final year M.Sc., (Computer Science) from FATIMA COLLEGE, Madurai. She has done her INTERNSHIP FINAL YEAR PROJECT title on "FAKE JOB RECRUITMENT DETECTION USING MACHINE LEARNING APPROACH" in our organization INTELLECT'Z SOLUTION during the period of December 2022 to April 2023.

We have that during the period she has shown keen interest in her assignment and was also regular attendance.



INTELLECT'Z SOLUTION

Address: #A173, ANNA NAGAR, MADURAI 625 020

Phone: +91 97401 57003

Intellectz.in | www.intellectz.in

# **BLOCK CHAIN TECHNOLOGY FOR SECURE SUPPLY CHAIN MANAGEMENT**

A Project work submitted to Fatima College (Autonomous) affiliated to Madurai Kamaraj University in partial fulfillment of the requirements for the Degree of Master of Science in  
Computer Science

Submitted by

**R. MAREESWARI (2021MSCB05)**



**DEPARTMENT OF COMPUTER SCIENCE**

**FATIMA COLLEGE (Autonomous)**

**Re – Accredited with 'A++' Grade by NAAC (Cycle-4)**

**Mary Land, Madurai-18.**

**APRIL-2023**

**FATIMA COLLEGE (AUTONOMOUS), MADURAI-18**

**DEPARTMENT OF COMPUTER SCIENCE**



**BONAFIDE CERTIFICATE**

This is to certify that this project entitled “**BLOCK CHAIN TECHNOLOGY FOR SECURE SUPPLY CHAIN MANAGEMENT**” is a Bonafide record of the project work done by **R. MAREESWARI (2021MSCB05),** in partial fulfillment of the requirement for the award of the Degree of **MASTER OF SCIENCE** in **COMPUTER SCIENCE**.

Submitted for the Viva-Voce Examination held on 11-04-2023

*P. Meenakshi*  
**INTERNAL EXAMINER**

*P. Seng* 11/4/2023  
**EXTERNAL EXAMINER**

## DECLARATION

I hereby declare that the project entitled "**BLOCK CHAIN TECHNOLOGY FOR SECURE SUPPLY CHAIN MANAGEMENT**" is a project report of the original work done by me. This project work is submitted to Fatima College (Autonomous, Affiliated to Madurai Kamaraj University) in partial fulfilment of the Degree of Master of Science in Computer Science during the academic year 2022-2023.

I declare that this project work or any part thereof has not been submitted for getting any Degree or Diploma from any University or College.

**Place: Madurai**

**Date: 11.04.2023**

*R. Mareeswari*  
**Signature**

**R. MAREESWARI**





**INTELLECT'Z: 2022-2023**

**Date: 06/04/2023**

**TO WHOM SO EVER IT MAY CONCERN**

This is to certify that Ms R. MAREESWARI (Reg. No: 2021MSCB05) student of Final year M.Sc., (Computer Science) from FATIMA COLLEGE, Madurai. She has done her INTERNSHIP FINAL YEAR PROJECT title on "BLOCK CHAIN TECHNOLOGY FOR SECURE SUPPLY CHAIN MANAGEMENT" in our organization INTELLECT'Z SOLUTION during the period of December 2022 to April 2023.

We have that during the period she has shown keen interest in her assignment and was also regular attendance.

With  
Project Coordinator  
INTELLECT'Z SOLUTION



Address: #A173, ANNA NAGAR, MADURAI 625 020

Phone Us: +91 97401 57003

Website: intellectz.in | www.intellectz.in

# **LIVE STOCK PRICE PREDICTION USING MACHINE LEARNING**

A Project work submitted to Fatima College (Autonomous) affiliated to Madurai Kamaraj University in partial fulfillment of the requirements for the Degree of Master of Science in Computer Science

Submitted by

**B.PRIYA DHARSHINI(2021MSCB06)**



**DEPARTMENT OF COMPUTER SCIENCE**

**FATIMA COLLEGE (Autonomous)**  
**College with Potential for**  
**Excellence**  
**Re-Accredited with “A++” Grade by NAAC**  
**(Cycle-4)**  
**MARY LAND, MADURAI – 625018**

**APRIL – 2023**

**FATIMA COLLEGE (AUTONOMOUS), MADURAI-18**

**DEPARTMENT OF COMPUTER SCIENCE**



**BONAFIDE CERTIFICATE**

This is to certify that this project entitled “**LIVE STOCK PRICE PREDICTION USING MACHINE LEARNING**” is a bonafide record of the project work done by **B.PRIYA DHARSHINI(2021MSCB06)** in partial fulfillment of the requirement for the award of the Degree of **MASTER OF SCIENCE** in **COMPUTER SCIENCE**.

Submitted for the Viva-Vice Examination held on **11.04.2023**

  
**INTERNAL EXAMINER**

  
**EXTERNAL EXAMINER**

INTELLECT'Z: 2022-2023

Date: 06/04/2023

**TO WHOM SO EVER IT MAY CONCERN**

This is to certify that Ms Ms B. PRIYA DHARSHINI (Reg. No: 2021MSCB06) student of Final year M.Sc., (Computer Science) from FATIMA COLLEGE, Madurai. She has done her INTERNSHIP FINAL YEAR PROJECT title on "LIVE STOCK PRICE PREDICTION USING MACHINE LEARNING" in our organization INTELLECT'Z SOLUTION during the period of December 2022 to April 2023.

We have that during the period she has shown keen interest in her assignment and was also regular attendance.

With  
A.  
Project Coordinator

A circular stamp with the text "INTELLECT'Z TECHNOLOGIES PRIVATE LIMITED" around the perimeter. In the center, there is a signature and the text "Project Coordinator".

INTELLECT'Z SOLUTION

## DECLARATION

I hereby declare that the project entitled “**LIVE STOCK PRICE PREDICTION USING MACHINE LEARNING**” is a project report of the original work done by me. This project work is submitted to Fatima College (Autonomous, Affiliated to Madurai Kamaraj University) in partial fulfillment of the Degree of Master of Science in Computer Science during the academic year 2021-2022.

I declare that this project work or any part thereof has not been submitted for getting any Degree or Diploma from any University or College.

**Place: Madurai**

**Date: 11.04.2023**

**Signature**

*Priya Dharshini*

**B.PRIYA DHARSHINI(2021MSCB06)**

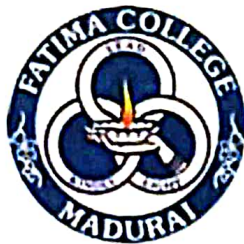


# **LEVERAGING BLOCKCHAIN TECHNOLOGY TO PROTECT PRIVACY AGAINST CYBERCRIME**

A Project work submitted to Fatima College (Autonomous) affiliated to Madurai Kamaraj University  
in partial fulfilment of the requirements for the  
Degree of Master of Science in Computer Science

Submitted by

**A.RESHMA RATHASEELI(2021MSCB07)**



**DEPARTMENT OF COMPUTER SCIENCE**

**FATIMA COLLEGE (Autonomous)  
Re – Accredited with ‘A++’ Grade by NAAC  
(Cycle-4) Mary Land, Madurai-18.**

**APRIL-2023**

# FATIMA COLLEGE (AUTONOMOUS), MADURAI-18

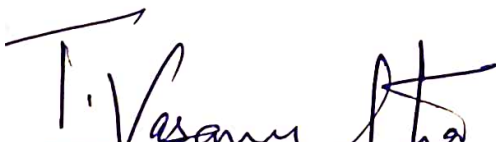
## DEPARTMENT OF COMPUTER SCIENCE



### BONAFIDE CERTIFICATE

This is to certify that this project entitled “**LEVERAGING BLOCKCHAIN TECHNOLOGY TO PROTECT AGAINST CYBERCRIME**” is a Bonafide record of the project work done by **A.RESHMA RATHASEELI (2021MSCB07)**, in partial fulfillment of the requirement for the award of the Degree of **MASTER OF SCIENCE in COMPUTER SCIENCE**.

Submitted for the Viva-Voce Examination held on 11-04-2023

  
INTERNAL EXAMINER

  
EXTERNAL EXAMINER


## DECLARATION

I hereby declare that the project entitled “**LEVERAGING BLOCKCHAIN TECHNOLOGY TO PROTECT PRIVACY AGAINST CYBERCRIME**” is a project report of the original work done by me. This project work is submitted to Fatima College (Autonomous, Affiliated to Madurai Kamaraj University) in partial fulfilment of the Degree of Master of Science in Computer Science during the academic year 2022-2023.

I declare that this project work or any part thereof has not been submitted for getting any Degree or Diploma from any University or College.

Place: Madurai

Date: 11 - 04 - 2023

  
Signature

**A.RESHMA RATHASEELI**  
**(2021MSCB07)**



GOOD-BLUE: 2022-2023

Date: 06/04/2023

**TO WHOM SO EVER IT MAY CONCERN**

This is to certify that Ms A. RESHMA RATIIASEELI (Reg. No: 2021MSCB07) student of Final year M.Sc., (Computer Science) from FATIMA COLLEGE, Madurai. She has done her INTERNSHIP FINAL YEAR PROJECT title on "LEVERAGING BLOCKCHAIN TECHNOLOGY TO PROTECT PRIVACY AGAINST CYBERCRIME" in our organization GOOD-BLUE TECHNOLOGY during the period of December 2022 to April 2023.

We have that during the period she has shown keen interest in her assignment and was also regular attendance.

With best regards,



**GOOD-BLUE TECHNOLOGY**

# 4/214 Malligai Veethi, Thashildhar Nagar, Madurai 625020, Tamilnadu, India  
0452 4242867 | +91 99440 53888 | info@good-blue.in | www.good-blue.in

# **CRIME BEHAVIOUR ANALYSIS USING KMEANS AND ML**

An Project work submitted to Fatima College (Autonomous) affiliated to Madurai Kamaraj  
University in partial fulfillment of the requirements for the  
Degree of Master of Science in Computer Science

Submitted by

**R.V.VIJAYALAXMI (2021MSCB09)**



**DEPARTMENT OF COMPUTER SCIENCE**

**FATIMA COLLEGE (Autonomous)**

**Re-Accredited with 'A++' Grade by NAAC (IV Cycle)**

**Rank in India Ranking 2019(NIRF) by MHRD**

**Mary Land, Madurai-18.**

**APRIL-2023**

**FATIMA COLLEGE (AUTONOMOUS), MADURAI-18**

**DEPARTMENT OF COMPUTER SCIENCE**



**BONAFIDE CERTIFICATE**

This is to certify that this project entitled “ **CRIME BEHAVIOUR ANALYSIS USING KMEANS AND ML**” is a bonafide record of the project work done by **R.V.VIJAYALAXMI (2021MSCB09)** in partial fulfillment of the requirement for the award of the Degree of **MASTER OF SCIENCE** in **COMPUTER SCIENCE**.

Submitted for the Viva-Vice Examination held on

11.04.2023

*C. Jeyaraj*

**INTERNAL EXAMINER**

*[Signature]* 11/4/2023

**EXTERNAL EXAMINER**



## DECLARATION

I hereby declare that the project entitled “**CRIME BEHAVIOUR ANALYSIS USING KMEANS AND ML**” is a project report of the original work done by me. This project work is submitted to Fatima College (Autonomous, Affiliated to Madurai Kamaraj University) in partial fulfillment of the Degree of Master of Science in Computer Science during the academic year 2022-2023.

I declare that this project work or any part thereof has not been submitted for getting any Degree or Diploma from any University or College.

Place: Madurai

*R.V. Vijayalaxmi*  
Signature

Date: 11-04-2023

R.V.VIJAYALAXMI(2021MSCB09)

INTELLECT'Z: 2022-2023

Date: 06/04/2023

**TO WHOM SO EVER IT MAY CONCERN**

This is to certify that Ms R.V. VIJAYALAXMI (Reg. No: 2021MSCB09) student of Final year M.Sc., (Computer Science) from FATIMA COLLEGE, Madurai. She has done her INTERNSHIP FINAL YEAR PROJECT title on "CRIME BEHAVIOR ANALYSIS USING K-MEANS AND MACHINE LEARNING" in our organization INTELLECT'Z SOLUTION during the period of December 2022 to April 2023.

We have that during the period she has shown keen interest in her assignment and was also regular attendance.

With best regards,

A handwritten signature in blue ink, appearing to read "Vijayalakshmi", is written over a circular purple stamp. The stamp contains the text "INTELLECT'Z SOLUTIONS PRIVATE LIMITED" around the top and "Madurai" at the bottom.  
Project Coordinator

INTELLECT'Z SOLUTION

Address: #A173, ANNA NAGAR, MADURAI 625 020

Reach Us: +91 97401 57003

info@intellectz.in | www.intellectz.in

# **MINING OF ROAD ACCIDENT DATA USING K-MEANS AND APRIORI ALGORITHM**

A project report submitted to Fatima College (Autonomous) affiliated to Madurai Kamaraj  
University in partial fulfilment of the requirements for the  
Degree of Master of Science in Computer Science

Submitted by

**D.PRIYAM HECIBA(2021MSCB10)**



**DEPARTMENT OF COMPUTER SCIENCE**

**FATIMA COLLEGE (Autonomous)  
Re – Accredited with ‘A++’ Grade by NAAC (IV Cycle)  
Mary Land, Madurai-18.**

**JUNE-2022-2023**

**FATIMA COLLEGE (AUTONOMOUS), MADURAI-18**


**DEPARTMENT OF COMPUTER SCIENCE**



**BONAFIDE CERTIFICATE**

This is to certify that this project entitle "**MINING OF ROAD ACCIDENT DATA USING K-MEANS AND APRIORI ALGORITHM**" is a Bonafide record of the project work done by **D.PRIYAM HEBCIBA(2021MSCB10)** in partial fulfilment of the requirement for the award of the Degree of **MASTER OF SCIENCE** in **COMPUTER SCIENCE**.

Submitted for the Viva-Voce Examination held on 11.04.2023

  
**INTERNAL EXAMINER**

  
**EXTERNAL EXAMINER**

## DECLARATION

I hereby declare that the project entitled “**MINING OF ROAD ACCIDENT DATA USING K-MEANS AND APRIORI ALGORITHM**” is a project report of the original work done by me. This project work is submitted to Fatima College (Autonomous, Affiliated to Madurai Kamaraj University) in partial fulfilment of the Degree of Master of Science in Computer Science during the academic year 2022-2023.

I declare that this project work or any part there of has not been submitted for getting any Degree or Diploma from any University or College

Place: Madurai

D. Priyam Hebciba  
Signature

Date: 11.04.2023

D.PRIYAM HEBCIBA(2021MSCB10)



SAAIESH GROUP: 2022-2023

Date: 06/04/2023

**TO WHOM SO EVER IT MAY CONCERN**

This is to certify that Ms D. PRIYAM HECBIBA (Reg. No: 2021MSCB10) student of Final year M.Sc., (Computer Science) from FATIMA COLLEGE, Madurai. She has done her INTERNSHIP FINAL YEAR PROJECT title on "MINING OF ROAD ACCIDENT DATA USING K-MEANS AND APRIORI ALGORITHM" in our organization SAAIESH GROUP INC during the period of December 2022 to April 2023.

We have that during the period she has shown keen interest in her assignment and was also regular attendance.

With Best Regards,  
  
Project Coordinator

SAAIESH GROUP INC

**Head Office:**

1/27, 3rd Floor, Mall Road, Tilak Nagar, New Delhi 110018

[www.saaiesgroups.com](http://www.saaiesgroups.com) | [www.saaieshgroup.com](http://www.saaieshgroup.com)

Call: +91 73581 20388 | +91 93542 78338

**Califorina:**

758 Vasona St, Milpitas CA 95035

**Madurai:**

Flat No. 5, Theppakulam, (Near SBI Bank) Anuppanadi

Madurai – 625009, Tamil Nadu



# **PREDICTIVE ANALYSIS FOR BIG MART SALES USING MACHINE LEARNING ALGORITHMS**

A Project work submitted to Fatima College (Autonomous) affiliated to Madurai Kamaraj University in partial fulfillment of the requirements for the

Degree of Master of Science in Computer Science

Submitted by

**S. KARTHIGA (2021MSCB12)**



**DEPARTMENT OF COMPUTER SCIENCE**

**FATIMA COLLEGE (Autonomous)  
Re – Accredited with ‘A++’ Grade by NAAC (IV Cycle)  
Mary Land, Madurai-18.**

APRIL – 2023

**FATIMA COLLEGE (AUTONOMOUS), MADURAI-18**

**DEPARTMENT OF COMPUTER SCIENCE**



**BONAFIDE CERTIFICATE**

This is to certify that this project entitled “**PREDICTIVE ANALYSIS FOR BIG MART SALES USING MACHINE LEARNING ALGORITHMS**” is a Bonafide record of the project work done by **S.KARTHIGA (2021MSCB12)** in partial fulfillment of the requirement for the award of the Degree of **MASTER OF SCIENCE** in **COMPUTER SCIENCE**.

Submitted for the Viva-Voce Examination held on 11.04.2023

  
**INTERNAL EXAMINER**

 11/4/2023  
**EXTERNAL EXAMINER**

## DECLARATION

I hereby declare that the project entitled “**PREDICTIVE ANALYSIS FOR BIG MART SALES USING MACHINE LEARNING ALGORITHMS**” is a project report of the original work done by me. This internship work is submitted to Fatima College (Autonomous), affiliated to Madurai Kamaraj University, in partial fulfillment of the Degree of Master of Science in Computer Science during the academic year 2022-2023.

I declare that this project work or any part there of has not been submitted for getting any Degree or Diploma from any University or College.

Place: Madurai

Date: 11.04.2023

*S. Karthiga.*  
Signature

S. KARTHIGA (2021MSCB12)



GOOD-BLUE: 2022-2023

Date: 06/04/2023

TO WHOM SO EVER IT MAY CONCERN

This is to certify that Ms S. KARTHIGA (Reg. No: 2021MSCB12) student of Final year M.Sc., (Computer Science) from FATIMA COLLEGE, Madurai. She has done her INTERNSHIP FINAL YEAR PROJECT title on "PREDICTIVE ANALYSIS FOR BIG MART SALES USING MACHINE LEARNING ALGORITHMS" in our organization GOOD-BLUE TECHNOLOGY during the period of December 2022 to April 2023.

We have that during the period she has shown keen interest in her assignment and was also regular attendance.

With best regards,  


Project Coordinator

GOOD-BLUE TECHNOLOGY

# 4/214 Malligai Veethi, Thashildhar Nagar, Madurai 625020, Tamilnadu, India  
0452 4242867 | +91 99440 53888 | info@good-blue.in | www.good-blue.in

# **HARDWARE TRACKING SYSTEM**

A Project work submitted to Fatima College (Autonomous) affiliated to Madurai Kamaraj University in partial fulfillment of the requirements for the Degree of Master of Science in Computer Science

Submitted by

**I. ROSLIN (2021MSCB13)**



**DEPARTMENT OF COMPUTER SCIENCE**

**FATIMA COLLEGE (Autonomous)**  
**Re – Accredited with ‘A++’ Grade by NAAC (IV Cycle)**  
**Mary Land, Madurai-18.**

**APRIL – 2023**

**FATIMA COLLEGE (AUTONOMOUS), Madurai-18**


**DEPARTMENT OF COMPUTER SCIENCE**



**BONAFIDE CERTIFICATE**

This is to certify that this project entitled “**HARDWARE TRACKING SYSTEM**” is a bonafide record of the project work done by **I. ROSLIN (2021MSCB13)** in partial fulfillment of the requirement for the award of the Degree of **MASTER OF SCIENCE** in **COMPUTER SCIENCE**.

Submitted for the Viva-Voce Examination held on 11.4.2023

  
**INTERNAL EXAMINER**

  
**EXTERNAL EXAMINER**





*PHOENIX SORTECH*

Date: 20-03-2023

**PROJECT COMPLETION CERTIFICATE**

This is to certify that, Miss. I. ROSLIN (Reg. No: 2021MSCB13) doing final year M.Sc (Computer Science) at Fatima College, Madurai has successfully completed her project titled "Hardware Tracking System" using PHP as the web Application and MYSQL as the Database, during the period of project work from December 2022 to March 2023. During the period her conduct and character was very good.

We wish her the in all her endeavors.

For PHOENIX SORTECH

  
S. SUKUMAR  
Project Manager



No 266, II Floor, Good Shed Street, Madurai - 625 001.

PH : 0452-2343527, 2350078

Website : [www.phoenixsoftech.in](http://www.phoenixsoftech.in)

## DECLARATION

I hereby declare that the project entitled “**HARDWARE TRACKING SYSTEM**” is a project report of the original work done by me. This project work is submitted to Fatima College (Autonomous), affiliated to Madurai Kamaraj University, in partial fulfillment of the Degree of Master of Science in Computer Science during the academic year 2022-2023.

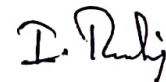
I declare that this project work or any part thereof has not been submitted for getting any Degree or Diploma from any University or College.

**Place: Madurai**

**Signature**

**Date: 11.4.2023**

**I. ROSLIN (2021MSCB13)**



# **CIPHER TEXT-POLICY ATTRIBUTE-BASED ENCRYPTION WITH DELEGATED EQUALITY TEST IN CLOUD COMPUTING**

A project work submitted to Fatima College (Autonomous) affiliated to Madurai Kamaraj  
University in partial fulfilment of the requirements for the  
Degree of Master of Science in Computer Science

Submitted by

**R. KAVISREE (2021MSCB14)**



**DEPARTMENT OF COMPUTER SCIENCE**

**FATIMA COLLEGE (Autonomous)  
Re – Accredited with ‘A++’ Grade by NAAC (IV Cycle)  
74th Rank in India Ranking 2019 (NIRF) by MHRD  
Mary Land, Madurai-18.**

APRIL - 2023

**FATIMA COLLEGE (AUTONOMOUS), MADURAI-18**

**DEPARTMENT OF COMPUTER SCIENCE**



**BONAFIDE CERTIFICATE**

This is to certify that this project entitled “**CIPHER TEXT-POLICY ATTRIBUTE-BASED ENCRYPTION WITH DELEGATED EQUALITY TEST IN CLOUD COMPUTING**” is a bonafide record of the project work done by **R. KAVISREE (2021MSCB14)**, in partial fulfillment of the requirement for the award of the Degree of **MASTER OF SCIENCE in COMPUTER SCIENCE**.

Submitted for the Viva-Voce Examination held on 11-04-2023

*C. Anj.*  
**INTERNAL EXAMINER**

*Deeny 11/4/2023*  
**EXTERNAL EXAMINER**

## DECLARATION

I hereby declare that the project “**CIPHER TEXT-POLICY ATTRIBUTE-BASED ENCRYPTION WITH DELEGATED EQUALITY TEST IN CLOUD COMPUTING**” is a project report of the original work done by me. This project work is submitted to Fatima College (Autonomous, affiliated to Madurai Kamaraj University) in partial fulfillment of the Degree of Master of Science in Computer Science during the academic year 2022-2023.

I declare that this project work or any part thereof has not been submitted for getting any Degree or Diploma from any University or College.

Place: Madurai

Date: 11-04-2023

R. Kavisree  
Signature

R.Kavisree  
(2021MSCB14)



SAAIESH GROUP: 2022-2023

Date: 06/04/2023

**TO WHOM SO EVER IT MAY CONCERN**

This is to certify that Ms R. KAVISREE (Reg. No: 2021MSCB14) student of Final year M.Sc., (Computer Science) from FATIMA COLLEGE, Madurai. She has done her INTERNSHIP FINAL YEAR PROJECT title on "CIPHER TEXT-POLICY ATTRIBUTE-BASED ENCRYPTION WITH DELEGATED EQUALITY TEST IN CLOUD COMPUTING" in our organization SAAIESH GROUP INC during the period of December 2022 to April 2023.

We have that during the period she has shown keen interest in her assignment and was also regular attendance.

With  
Respect,  
  
Project Coordinator

SAAIESH GROUP INC

**Head Office:**

1/27, 3rd Floor, Mall Road, Tilak Nagar, New Delhi 110018

[www.saaiesgroups.com](http://www.saaiesgroups.com) | [www.saaieshgroup.com](http://www.saaieshgroup.com)

Call: +91 73581 20388 | +91 93542 78338

**Callforina:**

758 Vasona St, Milpitas CA 95035

**Madurai:**

Flat No. 5, Theppakulam, (Near SBI Bank) Anuppanadi  
Madurai – 625009, Tamil Nadu



# **PRIVACY PRESERVING DATA AGGREGATION SCHEME FOR MOBILE EDGE COMPUTING WITH ASSISTED IOT APPLICATION**

A Project work submitted to Fatima College (Autonomous) affiliated to Madurai Kamaraj  
University in partial fulfillment of the requirements for the  
Degree of Master of Science in Computer Science

Submitted by

**MAHALAKSMI.M(2021MSCB15)**



**DEPARTMENT OF COMPUTER SCIENCE**

**FATIMA COLLEGE (Autonomous)  
College with Potential for  
Excellence**

**Re-Accredited with "A" Grade by NAAC (3<sup>rd</sup> Cycle)  
74<sup>th</sup> Rank in India Ranking 2020 (NIRF) by MHRD  
Affiliated to Madurai Kamaraj University  
MARY LAND, MADURAI – 625018**

**APRIL – 2023**

**FATIMA COLLEGE (AUTONOMOUS), MADURAI-18**

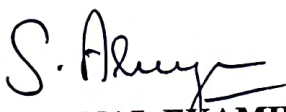
**DEPARTMENT OF COMPUTER SCIENCE**



**BONAFIDE CERTIFICATE**

This is to certify that this project entitled **“PRIVACY PRESERVING DATA AGGREGATION SCHEME FOR MOBILE EDGE COMPUTING WITH ASSISTED IOT APPLICATION”** is a bonafide record of the project work done by **MAHALAKSMLM(2021MSCB15)** in partial fulfillment of the requirement for the award of the Degree of **MASTER OF SCIENCE in COMPUTER SCIENCE**.

Submitted for the Viva-Vice Examination held on **11 -04 -2023**

  
**INTERNAL EXAMINER**

  
**EXTERNAL EXAMINER**



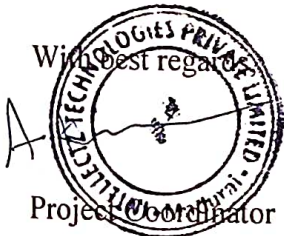
INTELLECT'Z: 2022-2023

Date: 06/04/2023

TO WHOM SO EVER IT MAY CONCERN

This is to certify that Ms M. MAHALAKSHMI (Reg. No: 2021MSCB15) student of Final year M.Sc., (Computer Science) from FATIMA COLLEGE, Madurai. She has done her INTERNSHIP FINAL YEAR PROJECT title on "PRIVACY PRESERVING DATA AGGREGATION SCHEME FOR MOBILE EDGE COMPUTING" in our organization INTELLECT'Z SOLUTION during the period of December 2022 to April 2023.

We have that during the period she has shown keen interest in her assignment and was also regular attendance.



INTELLECT'Z SOLUTION

Address: #A173, ANNA NAGAR, MADURAI 625 020

Phone Us: +91 97401 57003

Website: intellectz.in | www.intellectz.in

## **DECLARATION**

I hereby declare that the project entitled “**PRIVACY PRESERVING DATA AGGREGATION SCHEME FOR MOBILE EDGE COMPUTING WITH ASSISTED IOT APPLICATION**” is a project report of the original work done by me. This project work is submitted to Fatima College (Autonomous, Affiliated to Madurai Kamaraj University) in partial fulfillment of the Degree of Master of Science in Computer Science during the academic year 2021-2022.

I declare that this project work or any part thereof has not been submitted for getting any Degree or Diploma from any University or College.

**Place: Madurai**

**Date: 11.04.2023**

**Signature**

*M. Mahalakshmi*

**MAHALAKSMI.M(2021MSCB15)**

# **A NOVEL DEEP LEARNING APPROACH FOR MALWARE CLASSIFICATION**

A project work submitted to Fatima College (Autonomous) affiliated to Madurai Kamaraj  
University in partial fulfillment of the requirement for the  
Degree of Master of Science on Computer Science

Submitted by

**B. ANGEL TREASURE (2021MSCB16)**



**DEPARTMENT OF COMPUTER SCIENCE**

**FATIMA COLLEGE (Autonomous)**  
**Re – Accredited with ‘A++’ Grade by NAAC (IV Cycle)**  
**Mary Land, Madurai-18.**

**APRIL - 2023**

**FATIMA COLLEGE (AUTONOMOUS), MADURAI-18**

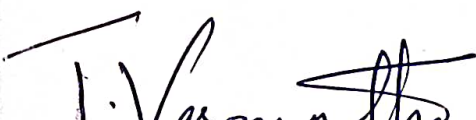
**DEPARTMENT OF COMPUTER SCIENCE**



**BONAFIDE CERTIFICATE**

This is to certify that this project entitled “**A NOVEL DEEP LEARNING APPROACH FOR MALWARE CLASSIFICATION**” is a bonafide record of the project work done by **B. ANGEL TREASURE (2021MSCB16)** in partial fulfillment of the requirement for the award of the Degree of **MASTER OF SCIENCE** in **COMPUTER SCIENCE**.

Submitted for the Viva-Voce Examination held on 11.04.2023

  
**INTERNAL EXAMINER**

  
**EXTERNAL EXAMINER**




## DECLARATION

I hereby declare that the project entitled “A NOVEL DEEP LEARNING APPROACH FOR MALWARE CLASSIFICATION ” is a project report of the original work done by me. This internship work is submitted to Fatima College (Autonomous), affiliated to Madurai Kamaraj University, in partial fulfillment of the Degree of Master of Science in Computer Science during the academic year 2022-2023.

I declare that this project work or any part thereof has not been submitted for getting any Degree or Diploma from any University or College.

**Place: Madurai**

  
Signature

**Date: 11.04.2023**

**B.ANGEL TREASURE(2021MSCB16)**

DATE : 16.03.2023

**TO WHOM SO EVER IT MAY CONCERN**

This Is To Certify That **Ms. B. ANGEL TREASURE** (Reg. No: 2021MSCB16), A  
FINAL YEAR MSC., Student In COMPUTER SCIENCE DEPARTMENT At **FATIMA COLLEGE,**  
**MADURAI,** Has Successfully Completed A **PROJECT INTERNSHIP TRAINING** Titled  
**'A NOVEL HYBRID DEEP LEARNING APPROACH FOR MALWARE CLASSIFICATION'**  
At Our Organization, **DIGISAILOR,** From **DECEMBER 2022 TO MARCH 2023.**

During Her Tenure With Us, **Ms. B. ANGEL TREASURE** Demonstrated Exceptional Skills  
And Dedication In Her Work, And We Are Confident That She Will Continue To Excel  
In Her Future Endeavors. We Wish Her The Best Of Luck As She Completes Her  
Project And Moves Forward With Her Career.

Sincerely,  
Project Coordinator  
**DIGISAILOR**



# **A ROBUST MINING OF HEALTH CARE BIG DATA FOR HUMAN ACTIVITY PATTERNS**

A Project work submitted to Fatima College (Autonomous) affiliated to Madurai Kamaraj  
University in partial fulfillment of the requirements for the  
Degree of Master of Science in Computer Science

Submitted by

**M.DIVYA (2021MSCB17)**



**DEPARTMENT OF COMPUTER SCIENCE**

**FATIMA COLLEGE (Autonomous)  
Re – Accredited with 'A++' Grade by NAAC (IV Cycle)  
Mary Land, Madurai-18.**

**APRIL – 2023**

**DEPARTMENT OF COMPUTER SCIENCE  
FATIMA COLLEGE (AUTONOMOUS)  
(College with Potential for Excellence)  
(Re-Accredited with 'A++' grade by NAAC)  
(National Level 74<sup>th</sup> Rank – NIRF)  
Madurai - 625 018**



**BONAFIDE CERTIFICATE**

This is to certify that this project entitled “A ROBUST MINING OF HEALTH CARE BIG DATA FOR HUMAN ACTIVITY PATTERNS” is a bonafide record of the project work done by **M.DIVYA(2021MSCB17)** in partial fulfillment of the requirement for the award of the Degree of **MASTER OF SCIENCE in COMPUTER SCIENCE**.

Submitted for the Viva-Voce Examination held on 11.04.2023

*C. Jeyaraj*  
**INTERNAL EXAMINER**

*[Signature]* 11/4/2023  
**EXTERNAL EXAMINER**

## **DECLARATION**

I hereby declare that the project entitled “**A ROBUST MINING OF HEALTH CARE BIG DATA FOR HUMAN ACTIVITY PATTERNS**” is a project report of the original work done by me. This project work is submitted to Fatima College (Autonomous, Affiliated to Madurai Kamaraj University) in partial fulfilment of the Degree of Master of Science in Computer Science during the academic year 2022-2023.

I declare that this project work or any part there of has not been submitted for getting any Degree or Diploma from any University or College.

**Place: Madurai**

**Date: 11.04.2023**



**Signature**

**M.DIVYA**

**(2021MSCB17)**

**GOOD-BLUE: 2022-2023**

**Date: 06/04/2023**

**TO WHOM SO EVER IT MAY CONCERN**

This is to certify that Ms M. DIVYA (Reg. No: 2021MSCB17) student of Final year M.Sc., (Computer Science) from FATIMA COLLEGE, Madurai. She has done her INTERNSHIP FINAL YEAR PROJECT title on "A ROBUST MINING OF HEALTHCARE BIG DATA FOR HUMAN ACTIVITY PATTERNS" in our organization GOOD-BLUE TECHNOLOGY during the period of December 2022 to April 2023.

We have that during the period she has shown keen interest in her assignment and was also regular attendance.

With best regards,  
  
Project Coordinator

**GOOD-BLUE TECHNOLOGY**

# 4/214 Malligai Veethi, Thashildhar Nagar, Madurai 625020, Tamilnadu, India  
0452 4242867 | +91 99440 53888 | info@good-blue.in | www.good-blue.in