CYBER THREAT REPORTING PLATFORM

MAJOR PROJECT REPORT

Submitted by

SUBASRI S

(23MCM046)

Under the Guidance of

Dr. S. VENKATA KRISHNA KUMAR M.Sc., MCA., MPhil, Ph.D. ,

Associate Professor & Head of the Department

PG AND RESEARCH DEPARTMENT OF COMPUTER SCIENCE - AIDED

In partial fulfilment of the requirements for the award of the degree of

MASTER OF SCIENCE IN COMPUTER SCIENCE

of Bharathiar University

PG AND RESEARCH DEPARTMENT OF COMPUTER SCIENCE - AIDED

PSG COLLEGE OF ARTS & SCIENCE

An Autonomous College-Affiliated to Bharathiar University
Accredited with 'A^{++}' grade by NAAC (4th Cycle)
College with Potential for Excellence
(Status Awarded by the UGC)
Star College Status Awarded by DBT - MST
An ISO 9001:2015 Certified Institution
Coimbatore -641 014

APRIL 2025

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Civil Aerodrome Post

Coimbatore -641 014

CERTIFICATE

This is to certify that this major project work entitled as **"CYBER THREAT REPORTING PLATFORM"** is a bonafide record of work done by **SUBASRI S (23MCM046)** in partial fulfilment of the requirements for the award of Degree of **Master of Science in Computer Science** of Bharathiar University.

Faculty Guide   Head of the Department

Submitted for Viva-Voce Examination held on ⎯⎯⎯⎯⎯⎯⎯

Internal Examiner   **External Examiner**

DECLARATION

I, **SUBASRI S (23MCM046)** hereby declare that this project work entitled **"CYBER THREAT REPORTING PLATFORM"**, is submitted to PSG College of Arts & Science (Autonomous), Coimbatore in partial fulfilment for the award of Master of Science in Computer Science, is a record of original work done by me under the supervision and guidance of **Dr. S. VENKATA KRISHNA KUMAR, M.Sc., MCA., MPhil, Ph.D. , Associate Professor , PG and Research Department of Computer Science , PSG College of Arts & Science, Coimbatore-641014.** This project work has not been submitted by me for the award of any other Degree/ Diploma/ Associateship/ Fellowship or any other similar degree to any other university.

PLACE : Coimbatore   **S.SUBASRI**

DATE :   **(23MCM046)**

ACKNOWLEDGEMENT

My venture stands imperfect without dedicating my gratitude to a few people who have contributed a lot towards the victorious completion for my project work.

I express Sincere thanks to our Principal **Dr. M. SENGUTTUVAN,** for having given me the opportunity to do the project work.

I kindly and sincerely thank **Dr. S. VENKATA KRISHNA KUMAR , Associate Professor & Head, PG and Research Department of Computer Science – Aided** for his whole hearted help to complete this project successfully by giving valuable suggestions.

I convey my heartiest and passionate sense of thankfulness to my project guide , **Dr. S. VENKATA KRISHNA KUMAR, Associate Professor & Head, PG and Research Department of Computer Science – Aided** for his timely suggestion which has enabled me to complete the project successfully.

This note of acknowledgement will be incomplete without paying my heartfelt devotion to my parents, my friends and other people, for their blessings, encouragement, financial support and the patience, without which it would have been impossible for me to complete the project.

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CERTIFICATE

This is to certify that this project work entitled **"CYBER THREAT REPORTING PLATFORM"** subjected to PSG College of Arts & Science (Autonomous), Coimbatore, Affiliated to Bharathiar University in partial fulfilment for the award of Master of Science in Computer Science, is record of original work done by **SUBASRI S,(23MCM046)** during December 2024 to April 2025 of her study in the PG and Research Department of Computer Science-Aided, PSG College of Arts & Science affiliated to Bharathiar University under my supervision and guidance. This project work has not formed the basis for the award of any Degree /Diploma/ Associateship/Fellowship or any other similar degree to any other university.

Signature of the Guide   Signature of HOD

Dr, S.VENKATA KRISHNA KUMAR   Dr. S.VENKATA KRISHNA KUMAR

Associate Professor and Head   Associate Professor and Head

PG and Research Department of   PG and Research Department of

Computer Science - Aided   Computer Science - Aided

PSG College of Arts & Science   PSG College of Arts & Science

Coimbatore – 641014.   Coimbatore – 641014.

SYNOPSIS

PROJECT TITLE : CYBER THREAT REPORTING PLATFORM

In today's digital age, cybercrime has become a growing concern, affecting individuals, businesses, and governments worldwide. The Cybercrime Fraud Detection and Reporting System is designed to provide a structured platform where users can report cyber fraud incidents, upload supporting evidence, and track the progress of their cases. This system allows victims of cybercrime to seek justice efficiently while also providing law enforcement authorities with a centralized database for investigations. Additionally, the platform offers real-time scam alerts and awareness campaigns to educate users on potential threats.

The system consists of multiple modules, including user authentication, incident reporting, evidence management, status tracking, scam alerts, and law enforcement collaboration. Users can securely log in, report incidents by selecting a fraud type, and attach relevant evidence such as screenshots or documents. Authorities can review cases, update investigation progress, and take necessary actions. Furthermore, an analytics dashboard provides statistical insights into cybercrime trends, helping in decision-making for cyber safety improvements.

By integrating modern technologies such as Flutter for the frontend, Node.js/Express.js for the backend, and MongoDB for data storage, the platform ensures seamless operation and data security. The use of JSON Web Tokens (JWT) for authentication enhances user privacy and access control. The expected outcome of this project is to establish a transparent, user-friendly, and efficient cybercrime reporting system that empowers users while supporting law enforcement in combating digital fraud effectively.

TECHNOLOGIES USED:
FRONTEND : Flutter
BACKEND : Node.js with Express
DATABASE : MongoDB and SQL