



FINAL YEAR PROJECT REPORT

AI ENHANCED CRIME PREDICTION FOR PUBLIC SAFETY OPTIMIZATION

**In fulfillment of the requirement
For degree of
BS (COMPUTER SCIENCES)**

By

**MUSAID ULLAH KHAN
SAIYED MOHIB ALI**

**79020 (BSCS)
79256 (BSCS)**

SUPERVISED

BY

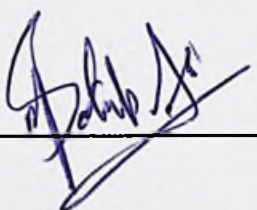
SIR. SAGHIR AHMED

BAHRIA UNIVERSITY (KARACHI CAMPUS)

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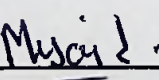
DECLARATION

We hereby declare that this project report is based on our original work except for citations and quotations which have been duly acknowledged. We also declare that it has not been previously and concurrently submitted for any other degree or award at Bahria University or other institutions.

Signature : _____

Name : SAIYED MOHIB ALI Reg

No. : 79256

Signature : _____

Name : MUSAID ULLAH KHAN Reg

No. : 79020

Date : 6 May 2025

APPROVAL FOR SUBMISSION

We certify that this project report entitled **"AI ENHANCED CRIME PREDICTION FOR PUBLIC SAFTY OPTIMIZATION"** was prepared by SAIYED MOHIB ALI AND MUSAI DULLAH has met the required standard for submission in partial fulfilment of the requirements for the award of Bachelor of Science in BSCS at Bahria University, Karachi.

Approved by,

Signature :  _____

Supervisor: SIR SAGHIR AHMED

Date : 6 May 2025

ABSTRACT

AI ENHANCED CRIME PREDICTION FOR PUBLIC SAFTY OPTIMIZATION

The project seeks to use AI-enhanced crime prediction analytics for public safety optimization purposes through real-time reporting tools that increase responder effectiveness and safety protection. Users can access the platform via a website where they can file reports and generate live security warnings in addition to obtaining safety guidelines and officers maintain control over crime data alongside patrol operations and statistical analysis. Crime-prone areas and safe citizen routes are predicted through the implementation of machine learning algorithms trained on past crime records which update their predictions based on expected time-of-day patterns. This initiative solves communication problems between citizens and officers so law enforcement can take proactive decisions based on crime data. The platform supports a better understanding of current conditions through its process while also helping law enforcement optimize their resources and providing residents with security tools. The team prepares to add a mobile application to this platform because it will enhance user access and engagement.

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