SAFE-WEB

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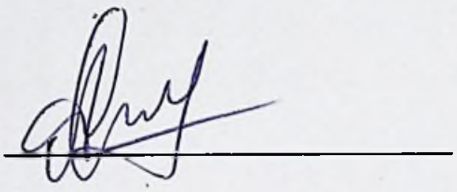
A project report submitted in partial fulfillment of the Requirements for the award of the degree of Bachelor of Science in (Computer Science)

Department of Computer Science
Bahria University, Karachi

2025

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 : 

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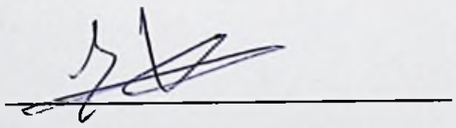
Signature : 

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APPROVAL FOR SUBMISSION

We certify that this project report entitled **"SAFE-WEB"** was prepared by **AMMAD, SHAZIL and NOUMAN** has met the required standard for submission in partial fulfillment of the requirements for the award of Bachelor of Science in Computer Science at Bahria University, Karachi.

Approved by,

Signature : _____

Supervisor : MR. AWAIS RAO

Date : 29-5-2025

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ABSTRACT

Safe-Web is an AI-powered web application penetration testing tool developed to detect over 20 common security vulnerabilities in modern websites. Designed for simplicity and effectiveness, Safe-Web allows users to perform comprehensive security scans and receive detailed reports with personalized AI-based remediation suggestions for each issue found.

Unlike traditional tools that either require expert knowledge or offer limited automation, Safe-Web bridges the gap by combining real-time scanning, automation, and a user-friendly interface. This makes it accessible to developers, students, and cybersecurity professionals alike—regardless of their security expertise.

By simplifying the testing process and integrating actionable AI-driven insights, Safe-Web helps embed security into the development workflow. The platform democratizes web security, enabling anyone—from individual developers to small businesses and educational institutions—to identify and resolve vulnerabilities efficiently.

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