

Muhammad Zohaib

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SUMMARY

Technologist skilled in Gen AI, Full Stack Development, UI/UX, Blockchain, and Network Security, delivering secure, scalable, and user-friendly solutions.

EDUCATION

Quaid-e-Azam University, Islamabad

Bachelor of Science in Information Technology

Sep 2021 – July 2025

Ali Trust College, Islamabad

Intermediate (FSc Pre-Engineering)

Apr 2019 – May 2021

EXPERIENCE

Intern – Cybersecurity & AI Development

National Centre for Physics (NCP), Islamabad

Jul 2024 – Sep 2024

- Developed AI-powered penetration testing report generator using Python, Flask, and OpenRouter API.
- Integrated ML models for vulnerability classification and automated PDF reporting via ReportLab and Firebase.

Finance Secretary

QAU Art Society

Sep 2023 – Sep 2024

- Managed finances and budgets for events, improving cost efficiency and student engagement.

Team Lead

QAU Adventure Club

Sep 2024 – Jul 2025

- Organized cost-effective student trips ensuring smooth logistics and safety.

PROJECTS

EduVault 3.0(Decenetralized Student Data Vault using Web 3.0 Technologies)

Sep 2024 – Jul 2025

Tools: React, Node.js, MongoDB, Ethereum, Solidity, IPFS, MetaMask

- Built decentralized academic record system with Web3, smart contracts, and IPFS.
- Implemented blockchain wallet authentication for secure credential management.

AI-Powered Penetration Testing Report Generator

Jul 2024 – Sep 2024

Tools: Python, Flask, OpenRouter API, ReportLab, Firebase

- Developed web app to analyze security test data, generate AI-driven summaries, and produce branded PDF reports.

Brightness Control Using Hand Gesture

Mar 2025

Tools: Python, OpenCV, MediaPipe, Pycaw, NumPy

- Designed contactless brightness control using real-time hand gesture recognition.

SKILLS

AI/ML: Python, TensorFlow, scikit-learn, OpenRouter API, AI-based Security

Full Stack: React, Node.js, MongoDB, Flask, Express.js, Firebase, REST APIs

UI/UX: Figma, Adobe XD, Material-UI, Responsive Design

Blockchain: Solidity, Ethereum, Smart Contracts, IPFS, Web3.js, MetaMask

Security: Penetration Testing, Vulnerability Analysis, Threat Response

Tools: Git, Docker, VS Code, Postman, ReportLab, OpenCV, MediaPipe, NumPy

CERTIFICATIONS & LANGUAGES

Certifications: UX Design – Coursera, Computer Networking – Ezxpert, VMware – Ezxpert, Web3 – INSEAD, Solidity – Packt, JavaScript Certification – Pro Hub

Languages: Pashto, Urdu, Punjabi, English