

MUHAMMAD FAWAD

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CAREER OBJECTIVE

Computer Engineering undergraduate with hands-on experience in networking, cybersecurity, software development, and embedded systems. Skilled in Python, MATLAB, routing & switching, and hardware–software integration. Seeking entry-level or internship roles in Software Development, Data, Networking, or Security domains.

ACADEMIC BACKGROUND

B.E. in Computer Engineering, Bahria University

Sep 2023 – Jun 2027

CGPA: 3.59/4.0

Coursework: Data Structures, OOP, Digital Logic Design, Computer Networks, Embedded Systems, Signal Processing, Computer Architecture, Electronic Devices

Intermediate in Computer Science, Rawalpindi College of Commerce and Sciences

2021 – 2023

TECHNICAL SKILLS

Programming: C, C++, Java, SQL, Bash, HTML, CSS, Python, MATLAB

Networking: OSPF, HSRP, IP Addressing & Subnetting, VLANs, Routing & Switching, TCP/IP, WAN

Systems & Security: Network Administration, Log Analysis, Threat Detection, Port Security, Firewalls & NAT

Embedded Systems: AVR/ATmega, Arduino, Fingerprint Modules, L293D, Circuit Design

Tools: Cisco Packet Tracer, Git, Proteus, Multisim, MS Office, Microchip Studio, Spyder IDE, Streamlit

Languages: English (Intermediate), Urdu (Native)

PROFESSIONAL EXPERIENCE

Cyber Security Intern

Oct 2025 – Nov 2025

Deloitte Australia

Remote

- Performed log analysis to detect suspicious activity and automated API calls.
- Investigated authentication anomalies and simulated incident response scenarios.
- Conducted threat-hunting exercises based on real breach case studies.

KEY PROJECTS

AI-Powered Resume Screening System (*Python, FastAPI, React.js, BERT, TF-IDF, spaCy, MySQL*)

Built a full-stack AI resume screening app using spaCy NER for data extraction and a hybrid BERT + TF-IDF model for candidate ranking. Features a React.js dashboard with analytics and MySQL (SQLAlchemy) backend with SHA-256 duplicate detection; achieved 75%+ reduction in manual screening time.

Design & Implementation of a Fault-Tolerant Multi-Branch Enterprise Network (Cisco)

Designed high-availability multi-branch network using OSPF/HSRP with scalable IP addressing (/24 LANs, /30 WANs) and tested failover through simulated link and router failures across 3 branches.

Development of a Real-Time Flood Alert System Using Advanced Data Structures (C++)

Developed dynamic flood alert system with AVL Trees, Stacks, Queues, and custom file handling. Implemented undo functionality, audit logs, and efficient search and reporting for 1000+ records.

Design of a Biometric Authentication-Based Vehicle Ignition System (Arduino)

Built fingerprint-based ignition system using R307 module, L293D driver, and DC motor achieving secure and reliable vehicle startup with 0 unauthorized access incidents.

CERTIFICATIONS

- CCNA 200-301 Network Fundamentals

JOB SIMULATIONS

- AWS APAC – Solutions Architecture (Amazon Web Services)
- Software Engineering Virtual Experience (Electronic Arts)

VOLUNTEER EXPERIENCE

IEEE Conference Registration Team Member

Bahria University, Islamabad, 2025

4th IEEE C-CODE25 – Handled registration, attendee coordination, and event logistics.