

Fahad Ali *Web Apps / ML Apps Developer*

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Profile

Innovative and results-driven Web Developer with extensive experience in full-stack development, database management, and cloud integration. Adept at leveraging modern technologies to optimize application performance, enhance security, and improve user experiences. Passionate about AI-driven solutions and cloud-based architectures. Seeking to contribute my technical expertise to a dynamic team in AI and web development.

Professional Experience

Present	Cybersecurity Trainer <i>Khyber Pakhtunkhwa Information Technology Board</i> Delivered hands-on cybersecurity training covering ethical hacking, network security, digital forensics, cryptography, Kali Linux, vulnerability assessment, and penetration testing. Developed training materials and practical labs, mentored trainees in secure coding and cyber risk awareness, evaluated their performance through practical assessments, and promoted industry-standard cybersecurity best practices.
Present	Lab Engineer <i>University of Computing sciences and Information Technology, Swat</i>
Present	Web Developer Incharge (Additional Charge) <i>University of Engineering and Applied Sciences, Swat</i> Managed and maintained web hosting infrastructure, web applications, and social media presence.
07/2025 – 01/2026	Visiting Lecturer <i>University of Engineering and Technology, Mardan</i> Web Design and Development
04/2025 – 09/2025	Visting Lab Instructor BS(AI) <i>University of Engineering and Technology Peshawar</i> Serving as a Visiting Lab Instructor for BS Artificial Intelligence students, teaching Object-Oriented Programming concepts and hands-on coding using Java.
10/2024 – 04/2025	Full Stack Developer <i>Centre for Intelligent System and Network Research, UET Peshawar</i> Designed and developed an Energy Management System for tubewells across various regions for GIZ (Deutsche Gesellschaft für Internationale Zusammenarbeit), enabling real-time monitoring, anomaly detection in energy consumption, and analysis to support energy efficiency improvements
08/2024 – 09/2024	Full Stack Developer <i>Centre for Intelligent System and Network Research, UET Peshawar</i> - Designed and implemented an intelligent Cash Flow system to monitor, manage, and analyze transactions. - Developed databases and web applications using Flask and Bootstrap to deploy AI models, including a real-time monitoring system called CEO (Chicken Executive Officer) that used live video streaming via WebSockets to track chicken health and activity.

07/2025 – 08/2025	Full Stack Developer <i>Centre for Intelligent System and Network Research, UET Peshawar</i> Developed a WaterSCADA management system using Flask and Socket for real-time monitoring and control. Designed and implemented live data communication, data logging, security protocols, and seamless data transfer between the web application and SCADA devices, ensuring efficient and secure system operations.
03/2023 – 06/2023	Web Developer <i>Center for Intelligent System and Network Research, UET Peshawar</i> - Created a web-based platform to monitor and analyze electricity consumption data for fault detection. - Documented project workflows and data analytics methodologies.
10/2022 – 03/2023	Web Developer <i>National Centre of Artificial Intelligence UET Peshawar</i> Led the development of a Fleet Management System for the Peshawar Development Authority (PDA), designing both the frontend and backend to track and manage vehicle locations, fuel consumption, wait points, and travel distances. Integrated real-time monitoring using WebSockets. The system is currently deployed and operational in three municipal organisations: Water and Sanitation Services Peshawar (WSSP), Water and Sanitation Services Mardan (WSSM), and the Peshawar Development Authority (PDA).
07/2022 – 09/2022	Junior Web Developer <i>National Centre of Artificial Intelligence, UET Peshawar</i> Assisted with front-end design and back-end development, focusing on user interface improvements and web service integration.

Education

2025 Pakistan	Master of Computer Science <i>University of Engineering and Technology Peshawar</i>
2020 Pakistan	BS Computer Science <i>Institute of Business and Management, AUP Peshawar</i>

Skills

Programming Language

Python, Java, JavaScript, php

Frameworks and Libraries

Django, Flask, Streamlit, NodeJS, ReactJS, Tensorflow, Pytorch, NumPy, Pandas, Scikit-learn, BeautifulSoup, Selenium, Scrapy, Apify

SQL & Non SQL DBMS

MySQL, PostgreSQL, Firebase Firestore, Appwrite, Supabase

Tools & Software

Git, Docker, Jupyter Notebook, Spyder, Warp Agent, Gemini Cli, Lovable, Hostinger Horiozn, Cursor AI

Documentation

LaTeX, Overleaf, MS Office

Web Designing

HTML, CSS, Bootstrap, JavaScript, Tailwind CSS, AlpineJs

Cloud Services

AWS, Google Cloud Platform

Flow-based development tool

Node-Red, Make.com, N8n

Operating Systems

Microsoft Windows, Ubuntu, Debian 12

Projects

WaterScada Management System

Real-time SCADA communication system with Flask and Socket.

CEO AI Application

AI-based model deployment system for poultry industry management.

CashFlow System

Intelligent transaction monitoring and analysis tool.

Fleet Management System

GPS-based vehicle tracking and fuel consumption monitoring.

Electrocure(SCADA)

Electricity monitoring system for fault detection

GIS Mapping Collection

Geospatial data visualization tool.

Media Management Tools

Automated content management solution using the FFmpeg library to enhance, modify, or process audio and video files.

Turnip Advertising App

Private video advertising platform with an OpenCV-based backend for video processing and ad management.

Certification

Python Programming Language Specialization

Google

Generative AI for Everyone

Coursera

Reference

References available upon request