Muhammad Faisal
Full Stack Developer

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Profile

Passionate Full-Stack and Mobile Application Developer with a strong foundation in Software Engineering. Architectured robust and scalable RESTful APIs to integrate secure authentication in order to achieve high-performance web and mobile applications.

Machine Learning: Expanding expertise in the Python ecosystem with experience in model training and developing RAG Chatbots.

Experience

Cybersecurity Engineer, Cyber Lab, NASTP Rawalpindi   Jul 2025 – Sep 2025
- Advanced web and network penetration testing to identify security loopholes.
- Utilized Burp Suite, Nmap, and Metasploit to simulate attacks.
- Vulnerability Assessment and Penetration Testing (VAPT) to secure assets.
- Automation of port scanning and sensitive data identification using bash and python scripts

Full Stack Developer, CloudSphereX Limited   Sep 2025 Onwards
- Implemented vector databases (Pinecone) to enhance RAG chatbot accuracy.
- Architectured scalable backend systems to support clients.
- Orchestrated backend webhooks to trigger n8n workflows, automating lead generation and client notifications.

Projects

Personalized E-commerce Recommendation System   FYP Project
- Developed a E-commerce Recommendation System, implemented an AI chatbot and integrated a visual search module

CloudSphereX
- Developed CloudSphereX, using the MERN stack, featuring a scalable backend and an intuitive user interface.

Human Activity Recognition using Smartphones   Personal Project
- Developed a Human Activity Recognition system utilizing smartphone sensor data to classify physical activities.
- Evaluated model performance across three distinct techniques achieving optimum results.

Car Reantal Management System   Personal Project
- Developed a Java-based car rental system featuring an intuitive UI, engineered a tracking module and implemented robust backend logic.

Technical Skills

Languages: JavaScript, TypeScript, Bash Scripting
Frontend: React, React Native, Next.js, Tailwind CSS, Bootstrap, HTML5/CSS3
Backend: Node.js, Express.js, RESTful APIs, Clerk Auth
Databases: MongoDB , PostgreSQL , Database Design & Normalization
Cybersecurity: Penetration Testing (VAPT), OWASP Top 10, Network Security, Burp Suite, Nmap
Tools & DevOps: Git/GitHub, Docker, Expo (Mobile), Figma, Linux CLI, Agile/Scrum
Soft Skills: Technical Documentation, UI/UX Design, SEO Optimization, Cross-Platform Deployment

Education

Bachelor of Science in Software Engineering, Air University Islamabad   2022 – 2026