

SOBAN AHMAD

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PROFESSIONAL SUMMARY

Software Engineering student with 1+ year of experience in full-stack development, machine learning, and cloud technologies. Delivered scalable solutions using MERN, NestJS, PostgreSQL, and AWS. Strong in microservices, AI integration, and performance optimisation.

TECHNICAL SKILLS

Languages: Java, JavaScript, Python, C/C++, SQL, Bash, TypeScript

Frontend: React.js, Next.js, HTML5, CSS3, Tailwind, ShadCN, Three.js, GSAP

Backend: Node.js, NestJS, Express, REST APIs, GraphQL, Microservices, Socket.io

Databases: PostgreSQL, MongoDB, MySQL, Redis, Supabase, TypeORM

Authentication: Auth0, NextAuth, Passport.js, JWT

Machine Learning: Linear/Logistic Regression, Decision Trees, SVMs, k-NN, K-Means, CNNs

Python Libraries: NumPy, Pandas, scikit-learn, Matplotlib, Seaborn, TensorFlow, Keras

Cloud/DevOps: AWS, Azure, Docker, Kubernetes, CI/CD, GitHub Actions

Tools: Git, Linux, Swagger, Postman, Cypress, Jest, Zod

EXPERIENCE

Team Lead – AI-Powered Assessment Platform — *Self-Driven Project* **Mar 2025 – Present**

Leading a 4-person team building a SaaS assessment platform for the Asian tech market. Architected a multi-tenant system using NestJS, Next.js, PostgreSQL, and Kubernetes on AWS. Integrated Auth0, Judge0, OpenAI GPT-4, and ProctorU SDK with RBAC and AI plagiarism detection.

PK Delivery Management Intern — *Systems Limited*

June - Aug, 2025

Built NestJS microservices with PostgreSQL, reducing API latency by 35%. Developed real-time delivery tracker for 150+ deliveries/day. Created dashboards, improving internal workflow efficiency by 20%.

Fullstack & QA Intern — *zAxis*

June - Aug, 2024

Created an AI chatbot using REST APIs & Generative AI (↑25% engagement). Improved QA process, reducing delivery time by 15%, debug time by 20%.

Frontend Development Intern — *Allied Consultants*

June - Sept, 2022

Built responsive interfaces using HTML5, CSS3, and JS. Ensured mobile-first cross-browser compatibility.

PROJECTS

Traffic Sign Classification using CNN

 GitHub

98.75% accuracy on 43-class CNN with TensorFlow/Keras. Augmented dataset from 39K to 162K images using OpenCV.

Chess AI Engine

 GitHub

Python Minimax with Alpha-Beta pruning and move caching. Built a Tkinter GUI with tactical analysis and adaptive depth search.

IMDB Backend Clone

 GitHub

Scalable REST API with MySQL/PostgreSQL backend featuring CRUD operations, filtering, search, and Swagger documentation.

Weather Forecast Chatbot

 GitHub

Integrated Gemini AI with OpenWeather API using RESTful design. Optimised response latency with Linux CLI tools.

Multi-Commerce Admin Dashboard

 GitHub

MERN stack e-commerce dashboard with AWS integration, user authentication, and order management. Built with React.js and ShadCN UI

CERTIFICATIONS

Google: Project Management • Udemy: Web Dev Bootcamp • Udemy: Digital Marketing • LearnOBots: Robotics & Arduino

EDUCATION

B.Sc. Software Engineering — *FAST NUCES, Islamabad*

Expected 2026