

MUHAMMAD AHMAD

Computer Engineering Student | Backend Development & DevOps

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SUMMARY

Computer Engineering student (6th semester) at COMSATS University with hands-on internship experience in backend development and DevOps. Proficient in Node.js, Express.js, and cloud technologies including AWS. Strong foundation in databases, embedded systems, and RESTful API development. Seeking internship opportunities to apply technical skills and contribute to impactful software projects.

EDUCATION

Bachelor of Science in Computer Engineering Aug 2023 – May 2027
COMSATS University Islamabad, Lahore Campus

GPA: 3.5/4.0 | 6th Semester | Relevant: Data Structures, Algorithms, Databases, Computer Networks, Embedded Systems

FSc Pre-Engineering 2021 – 2023
Punjab College of Science, Lahore

EXPERIENCE

Backend Engineer Intern Jul 2025 – Aug 2025
Innovative Saudia, Lahore (On-site)

- Developed backend services using Node.js and Express.js under senior engineer mentorship
- Implemented Docker containerization and configured CI/CD pipelines using GitHub Actions
- Prepared for AWS Cloud Practitioner certification; completed 10+ practice exams with 85%+ scores
- Documented technical learnings and contributed to internal knowledge base documentation

Freelance Web Developer Jan 2024 – Present
Self-Employed, Remote

- Delivered 5+ web applications for local businesses using React, Node.js, and MongoDB
- Managed complete project lifecycle from requirements gathering to deployment on Vercel/AWS
- Achieved 100% client satisfaction through clear communication and on-time delivery

PROJECTS

E-Commerce Platform (Multi-Role) GitHub: Muhammad-Ahmad17/E_Commerce
React, Node.js, Express.js, SQL Server, REST API

- Built full-stack e-commerce platform supporting Buyer and Vendor roles with 3-tier architecture
- Designed normalized database schema; implemented secure authentication and order management APIs

Serverless User Processing System GitHub: Muhammad-Ahmad17/getApiForUserData
AWS Lambda, API Gateway, DynamoDB, S3, React

- Architected serverless backend using AWS Lambda with API Gateway integration
- Configured DynamoDB for NoSQL data storage; deployed static frontend to S3 with public hosting

Personal Portfolio Website Live: aahmad.app
React, TypeScript, Tailwind CSS, Framer Motion

- Developed responsive portfolio with theme switching, blog system (Markdown), and custom animations

TECHNICAL SKILLS

Languages: JavaScript, Python, C, C++, SQL, VHDL

Backend: Node.js, Express.js, REST APIs, MongoDB, SQL Server

Cloud & DevOps: AWS (Lambda, S3, DynamoDB, API Gateway), Docker, GitHub Actions, Vercel, Linux, Git

Hardware: STM32, Microcontrollers, FPGA, Embedded Systems

Tools: VS Code, Postman, MongoDB Compass, Figma

CERTIFICATIONS & ACTIVITIES

- AWS Cloud Practitioner** – In Progress (Expected Feb 2026)
- LeetCode:** Active problem solver – muhammad-ahmad17
- Languages:** English (Professional), Urdu (Native)