

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 <i>COMSATS University Islamabad, Lahore Campus</i> GPA: 3.5/4.0 6th Semester Relevant: Data Structures, Algorithms, Databases, Computer Networks, Embedded Systems	Aug 2023 – May 2027
FSc Pre-Engineering <i>Punjab College of Science, Lahore</i>	2021 – 2023

EXPERIENCE

Backend Engineer Intern <i>Innovative Saudia, Lahore (On-site)</i> • 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	Jul 2025 – Aug 2025
Freelance Web Developer <i>Self-Employed, Remote</i> • 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	Jan 2024 – Present

PROJECTS

E-Commerce Platform (Multi-Role) GitHub: Muhammad-Ahmad17/E_Commerce <i>React, Node.js, Express.js, SQL Server, REST API</i> • 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 <i>AWS Lambda, API Gateway, DynamoDB, S3, React</i> • 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 <i>React, TypeScript, Tailwind CSS, Framer Motion</i> • 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)