

# MUHAMMAD AHMAD

Computer Engineering Student | Learning Backend Development & DevOps

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## SUMMARY

6th semester Computer Engineering student at COMSATS University, passionate about learning backend development and DevOps practices. Currently building skills in Node.js, Express.js, databases, and cloud technologies through academic projects and hands-on learning. Seeking internship opportunities to learn from experienced engineers and gain real-world software development experience.

## 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

## EXPERIENCE

**Backend Development Learning Intern** Jul 2025 – Aug 2025  
Innovative Saudia, Lahore (On-site)

- Participated in intensive backend development bootcamp focused on Node.js and Express.js fundamentals
- Learned Docker containerization basics and practiced CI/CD concepts using GitHub Actions
- Studied for AWS Cloud Practitioner certification through guided practice exams and learning materials
- Collaborated with peers on practice projects and documented learning progress

## PROJECTS

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

- Learning project: Building full-stack e-commerce platform with Buyer and Vendor roles
- Practicing database design with normalized schema and implementing authentication and order APIs

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

- Learning serverless architecture with AWS Lambda and API Gateway integration
- Practicing NoSQL database design with DynamoDB and static website hosting on S3

## TECHNICAL SKILLS

**Languages:** JavaScript, Python, C, C++, SQL, VHDL (University Coursework)

**Backend (Learning):** Node.js, Express.js, REST APIs, MongoDB, SQL Server

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

**Hardware (Academic):** STM32, Microcontrollers, FPGA, Embedded Systems

**Tools:** VS Code, Postman, MongoDB Compass, Figma