

MUHAMMAD ALI

Software Engineer

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SUMMARY

Final-year Computer Science student with hands-on experience in building scalable full-stack applications using the MERN stack. Skilled in building responsive UIs, designing RESTful APIs, and integrating AI features. Solid grasp of data structures, algorithms, and modern web development practices.

EXPERIENCE

Backend Development Intern - CodeAlpha (Remote) Aug 2025 - Sept 2025

- Designed a URL shortener application with Node.js, Express, and MongoDB.
- Implemented a hotel reservation backend system supporting CRUD operations and booking workflows.
- Enhanced backend development skills with RESTful APIs and database design
- Utilized GitHub for version control: github.com/alisrdar/codealpha_tasks

PROJECTS

Full Stack Developer | Career Connect - Final Year Project Feb 2025 - Present

Led development of an AI-powered career recommendation platform with personalized dashboards and assessments.

- Implemented secure auth with JWT and role-based access using MERN stack.
- Built interactive quiz engine using Item Response Theory (IRT) and Big Five clustering models.
- Demo: career-connect-pce.vercel.app

Finly – Personal Finance Tracker | Freelance Project July 2025

- Developed a budgeting app using MERN stack with interactive analytics dashboards.
- Cached reports and indexed user queries, reducing API response time by 40%.
- Secured endpoints with JWT and optimized queries via MongoDB aggregations.

KEY SKILLS

- Frontend:** React.js, Next.js HTML, CSS, Tailwind, Framer Motion
- Languages:** JavaScript, TypeScript, Python, C/C++, C#
- Backend:** Node.js, Express.js, Firebase, REST APIs, GraphQL
- Databases:** MongoDB, MySQL, ChromaDB
- Tools:** Git, GitHub, Postman, Vercel
- Others:** Jest, Unit/Integration Testing, ASP.NET, Chart.js, MVC Architecture

EDUCATION

Bachelor of Science in Computer Science

National University of Modern Languages, Islamabad

- CGPA: 3.59 out of 4
- Feb 2022- Feb 2026(Expected)

CERTIFICATIONS

- Meta - Intro to Front-End Development | Coursera · Jun 2025
View Certificate: coursera.org/account/accomplishments/verify/PHS9AF44AEMC
- Meta - Advanced React | Coursera Jun 2025
View Certificate: coursera.org/account/accomplishments/verify/MC9PW41C1WC2
- Supervised Machine Learning, Regression and Classification, Stanford | online and DeepLearning.AI | Coursera Jun 2025
View Certificate: coursera.org/account/accomplishments/verify/UJ5ITZV9L1U6