

ALI RAZA HAIDER KHAN

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PROFESSIONAL SUMMARY

Software engineer with practical experience building full-stack and AI-powered applications, from backend systems and APIs to production interfaces. Comfortable owning a project end-to-end and diving into unfamiliar codebases. An active open-source contributor, looking to learn, grow, and take on more responsibility in an engineering environment to grow as a software engineer.

EDUCATION

BS Computer Science — University of Management and Technology, Lahore

Sept 2022 – July 2026

CGPA: 3.42

EXPERIENCE

DataExperts360 — Remote, Queensland, Australia

Backend Developer Jan 2026 – Jul 2026

- Designed, built, and maintained RESTful APIs and authentication flows (JWT, OAuth, Supabase Auth) across 7+ client projects, including payment integrations.
- Managed third-party integrations and handled ongoing bug fixes and production support as the sole backend engineer, collaborating closely with frontend developers.
- Built a booking system with time-slot scheduling, including logic to prevent double-bookings across overlapping requests.

Cyphershield Inc — Remote, United States

Software Engineering Intern Jul 2025 – Sep 2025

- Shipped a production frontend (30+ components) from Figma to deployment using React/Next.js and shadcn/ui.
- Built schemas and models for an AI-powered spam/phishing detection pipeline.

University of Management and Technology — Lahore, Pakistan

Teaching Assistant Mar 2025 – Jul 2025

- Mentored 50+ students in weekly DSA lab sessions in C++, with hands-on debugging support.

PROJECTS

Multi-Vendor eCommerce Platform (Solo Project, 2.5 months)

[View Live + Repo](#)

Stack: MongoDB, Express.js, React.js, TypeScript, Node.js, Redux Toolkit, Socket.IO, Stripe, Docker, AWS EC2, GitHub Actions

- Built REST APIs for a full-stack marketplace with three user roles (buyer, seller, admin), JWT-based login, and 8+ product categories.
- Added Stripe payments and an approval workflow for seller withdrawals and refunds.
- Built real-time chat between buyers and sellers, and managed app state with Redux across 37+ pages.
- Containerized the app with Docker and deployed to AWS EC2 using a GitHub Actions CI/CD pipeline.

Mindly (Final Year Project)

[View Site](#)

Stack: Next.js, FastAPI, PostgreSQL (pgvector), Redis, LangChain, Gemini API

- Built a RAG-based AI knowledge workspace that turns ingested documents and notes into a searchable knowledgebase, powered by the Gemini LLM.
- Used pgvector with HNSW indexing for fast, scalable similarity search across embeddings.
- Architected a monorepo FastAPI backend integrated with Next.js and PostgreSQL.
- Handled containerization and deployment of the full application stack on Google Cloud Run.

Open Source Contributor – Pathment

[View PRs](#)

Stack: Node.js, Express.js, PostgreSQL, Next.js, TypeScript, Tailwind CSS, shadcn/ui

- Merged 10+ pull requests into a production SaaS codebase, fixing bugs and improving performance.
- Cut database queries by 35% by batching a query that was hitting the database once per record.
- Fixed a security bug that let mentees see other mentees' data, and mentors see mentees outside their own group.

LEADERSHIP & VOLUNTEERING

- Programming Lead, ACM UMT Student Chapter (2025–2026)
- Organizer, AWS Community Day (2026)
- Module Lead, Speed Programming, Techverse 2.0 (2026)
- Module Lead, Speed Programming, ITCSE Conference (2025)

ACHIEVEMENTS

Runner Up – Speed Programming Competition 2026 GIKI SOFTCOM, Ghulam Ishaq Khan Institute

Second Runner Up – Web Development Hackathon 2026 Btech BNU Hackathon, Beaconhouse National University

SKILLS

Languages: JavaScript, TypeScript, Python, C++

Frameworks & Libraries: Node.js, Express.js, FastAPI, React.js, Next.js, Redux Toolkit, Tailwind CSS, Socket.io

AI/ML: LangChain, Gemini API, RAG, pgvector

Databases: MongoDB, PostgreSQL, Supabase

Tools: Git, Docker, GitHub Actions, AWS, GCP, Burp Suite, Agile/Scrum