Sheraz Hussain

Full Stack Software Engineer

LinkedIn | GitHub | LeetCode | Portfolio

SUMMARY

Software Engineering graduate with a 3.75/4.00 GPA and hands-on experience building and deploying full-stack web applications with React, Next.js, Node.js, Express.js, and MongoDB. Built systems involving REST APIs, authentication, real-time communication, payments, caching, and cloud storage. Solved 300+ LeetCode problems and placed 2nd in a university hackathon. Seeking a Software Engineer or Full-Stack Engineer role to build reliable products and grow within a professional engineering team.

SKILLS

Programming Languages	:	JavaScript, TypeScript, Python, C++, SQL
Frontend	:	React JS, Next JS, Material UI, Tailwind CSS, Redux
Backend	:	Node js, Express.js, FastAPI, REST APIs, Socket.IO, JWT, OAuth 2.0
Database	:	MongoDB, PostgreSQL, MySQL, Redis
Cloud & DevOps	:	AWS, Docker, Git, GitHub, GitHub Actions, Postman, Cloudinary, Vercel

PROJECTS

LearnEx | Full-Stack Learning Management System, Link **Aug 2026 — Aug 2026**

- Built a full-stack e-learning platform with separate student and admin applications and a dedicated Node.js/Express backend exposing **38+ REST API endpoints**.
- Implemented **JWT authentication, Redis caching, centralized error handling, and secure payment/content-delivery workflows**.
- Developed an admin dashboard with **Chart.js analytics, Socket.IO real-time notifications, and no-code management** for courses, FAQs, and categories.

CampusGuard | Smart Campus Safety & Monitoring System, Link **Sep 2025 — Jun 2026**

- Engineered a full-stack MERN application integrating a hybrid deep-learning detection pipeline with role-based workflows for **Admin, Guard, and Campus Student Authority**.
- Designed an incident management workflow covering **guard dispatch, inquiry creation, investigation, and case closure**, reducing manual intervention by an estimated **60%**.
- Integrated **AWS S3** for secure media storage and built real-time dashboards for activity trends, severity distribution, and incident-response metrics.
- Implemented UI, OS push, and email notifications for real-time incident alerts, achieving **zero missed critical incidents during testing**.

Vendora | Multi-Vendor E-Commerce Marketplace, Link **Feb 2026 — Apr 2026**

- Built a multi-vendor marketplace using **React, Node.js, Express.js, and MongoDB**, supporting customer, seller, and admin workflows.
- Designed a MongoDB data model across **9 collections** for products, orders, coupons, seller payouts, and related marketplace operations.
- Integrated **Stripe and PayPal** for checkout and developed a dedicated **Socket.IO server** for real-time buyer–seller messaging.
- Developed role-based dashboards and a modular backend organized around **10+ API modules**.

Mockly | AI-Powered Technical Interview Platform, Link **Oct 2025 — Present**

- Built a full-stack AI interview platform using **React, Node.js, Express.js, and MongoDB** that generates contextual technical questions and evaluates interview performance.
- Integrated **Google Gemini** for dynamic question generation and automated AI evaluation with detailed performance feedback.
- Implemented **JWT authentication with HTTP-only cookies, bcrypt password hashing, and OTP email verification** for secure user authentication.
- Added **REST API rate limiting with a 3-interview/day cap** to control AI token consumption and prevent endpoint abuse.

EDUCATION

University of Sargodha, **Sargohda, Pakistan** - *BS, Software Engineering* - *(GPA: 3.75/4.00)* **Jan 2022 — Jun 2026**
Major Modules: OOP | DSA | Database Systems | Computer Networks | Information Security | Cyber Security | AI | Data Mining | Web & Android Development

Punjab Group of Colleges, **Sahiwal Sargodha, Pakistan** - *Pre Engineering* - *(GPA: 87%)* **2019 — 2021**
Major Subjects: Mathematics, Physics, Chemistry

AWARDS & ACHIEVEMENTS

Bronze Fellow, DevWeekend **Jul 2026**
Bronze Brick Award CALICO Spring'26, UC Berkely **May 2026**
Bronze Brick Award CALICO Fall '25, UC Berkely **Dec 2025**