

Shayan Mehmood

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Summary — Full-Stack Developer with intense emphasis on creating scalable and smart web applications. Experience in creating end-to-end applications that incorporate AI models, chatbots, and data-driven functionalities. Proficient in designing user-centered systems that address real-world issues through considered design and transparent technology integration.

Skills

Languages Python, JavaScript, TypeScript, SQL, HTML, CSS, PHP
Frameworks Next.js, React.js, Node.js, Express.js, FastAPI

Databases MySQL, MongoDB, PostgreSQL, Firestore
Tools Git, GitHub, Postman, Firebase, AWS (S3), Vercel, Netlify, cPanel

Experience

Metavystic

Full Stack Developer

Apr 2024 – Present

Islamabad, Pakistan

- Developed scalable full-stack features using Next.js, React Query, and Zustand, integrating with Express.js microservices and PostgreSQL.
- Built an interactive analytics dashboard with charts for performance tracking, and implemented role-based access control (RBAC).
- Processed geospatial data with GeoJSON to cluster outlets, analyze travel times, and support AI-powered outlet prediction.

Mars Digital

Web Application Developer

Jan 2024 – Apr 2024

Islamabad, Pakistan

- Designed and developed a CRM and HRMS platform for 7 branches, with secure login, branch-specific databases, and centralized admin control.
- Handled full-stack development using React.js, Node.js, and PostgreSQL, implementing features like payroll, attendance, and inventory tracking.
- Delivered data visualizations and employee insights using reusable components and responsive layouts.

Go Network

Web Developer

Nov 2023 – Dec 2023

Islamabad, Pakistan

- Built custom client websites (rental, booking, e-commerce) using React.js with real-time updates via Firebase Firestore.
- Implemented user authentication, booking flows, and transaction features tailored to business requirements.
- Focused on performance, responsiveness, and SEO to deliver high-quality digital experiences.

Education

International Islamic University Islamabad

Bachelor of Science in Information Technology

Certifications

- Web Design & Web Engineering - NACTTC
- JavaScript Basics - HackerRank
- Python Basics - HackerRank

Projects

Mini Lessons Academy

- Developed full-stack AI-powered learning platform using **React.js**, **Node.js**, and **MySQL**.
- Implemented guided course creation, PDF/audio generation, and content editing with **React Quill**.
- Enabled quizzes (MCQs, flashcards), media uploads via AI, and secure sharing with route protection.

AI Health Consultation Bot

- Built chatbot using **TensorFlow NLP**, **Flask**, and **React.js** for AI-based consultations and prescriptions.
- Secure access with JWT, tracked consultation history and structured medical data in **MySQL**.

3D Virtual Try-On Store

- Developed an e-commerce app using **React.js**, **Three.js**, **WebGL**, **Node.js**, and **MySQL** for products, management of sellers' records.
- Integrated Stripe and PayPal, buyer / seller dashboards, and email-based notifications.