

ZAKRIA KHAN

Full-Stack Software Developer | MERN Stack

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Professional Summary

Full Stack Software Developer with hands-on experience building production-ready MERN stack applications. IBM Certified with full-stack development training across modern cloud-native technologies. Seeking to contribute to dynamic engineering teams while continuing to grow as a full stack engineer.

Education & Certificates

B.S. Computer Science

University of Swat

Graduated: Aug, 2026

KPK, Pakistan

Certifications

- IBM Full Stack Software Developer Certificate [\[Link\]](#)
- Developing AI Applications with Python and Flask [\[Link\]](#)
- Developing Back-End Apps with Node.js and Express [\[Link\]](#)

Professional Experience

Software Developer | MERN Stack

AlphaTech Software House | Internship

KPK, Pakistan

Jan, 2025 to Apr, 2025

- Designed and developed a wholesale management platform using Typescript, Next.js, React, and Tailwind CSS, enabling wholesale businesses to manage suppliers, shopkeepers, inventory, and billing through a responsive UI with real-time analytics dashboards.
- Built RESTful APIs using Node.js, Express.js, MongoDB, and JWT authentication, enabling secure data management including profiles, inventory tracking, billing, and analytics.
- Developed a reusable component library for an e-commerce platform using React.js and Next.js, improving frontend maintainability.
- Collaborated with other developers using Git, GitHub, and Agile practices to conduct peer code reviews, and maintain consistent code quality, enabling the team to deliver the project on schedule.

Projects

Book Heaven | Community Book Recommendation Platform

Full-Stack MERN Developer

- Designed and developed a full-stack community-driven book recommendation platform using MERN Stack, Next.js, Tailwind CSS, and Zustand, enabling users to discover, review, and recommend books through personalized profiles, 5-star ratings, and a responsive UI with live search.
- Built a RESTful API using Node.js, Express, MongoDB, and Mongoose with Clerk JWT authentication and role-based access control, implementing admin approval workflows, favorites management, and a moderation system that routes books through permission statuses to ensure content quality.

YC Directory | Startup Pitch Platform

Full-Stack Developer

- Designed and developed a full-stack startup pitch platform using Next.js, React.js, TypeScript, and Tailwind CSS, enabling entrepreneurs to browse, discover, and showcase innovative ventures.
- Integrated Sanity.io CMS for content management, NextAuth.js with GitHub OAuth for authentication, and Sentry for error monitoring, enabling secure user sessions, and real-time performance tracking.

Heart Disease Prediction System | Final Year Project

Full-Stack Developer & ML Developer

- Built a multi-model heart disease prediction system using PyTorch, scikit-learn, and Python, implementing an Artificial Neural Network for multi-class risk classification, Random Forest and Logistic Regression for binary detection, enabling early identification of cardiovascular risk.
- Built a RESTful API using Flask, PostgreSQL, and Python, enabling healthcare professionals to call the deployed ML Models and track patient outcomes via stored prediction history.
- Developed a full-stack frontend using Next.js, React, TypeScript, and Tailwind CSS, integrating Google Gemini AI to generate personalized health recommendations, enabling patients to receive lifestyle advice based on their risk scores.

Skills

- Frontend:** React.js, Next.js, TypeScript, JavaScript, HTML & CSS, Tailwind CSS, Zustand
- Backend:** Node.js, Express.js, Flask, REST APIs, JWT Authentication, Python
- Database:** MongoDB, PostgreSQL, MySQL
- AI/ML & GenAI:** Scikit-Learn, Pandas, NumPy, PyTorch, LangChain, BERT, LLMs, RAG
- DevOps & Tools:** Git, GitHub, Docker, CI/CD, Linux, Vercel, Netlify, Postman, Sentry