MUHAMMAD ABUBAKAR

Full-Stack Developer

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Summary

Detail-oriented Computer Science professional with experience in full-stack and mobile development, scalable architectures. Skilled in React (Vite), React Native, Angular, NestJS, Node.js, PostgreSQL, MongoDB, with strong problem solving, OOP, data structures, and database foundations. Proficient in AI-enhanced software development practices, using intelligent assistants to streamline coding and problem-solving.

Experience

JavaScript Intern - Intellicore Tech   06/2025 - 8/2025
- Gained professional experience with **Angular (frontend)** and **NestJS (backend)**, integrating PostgreSQL DB.
- Added functionalities of mailer, input validations, logging, modals and Claims Requests in **Intellicore HRMS**.
- Enhanced **Rasterex Web Viewer** by optimizing annotation scaling/rotation, improved PDF memory management, and fixed bugs.
- Worked in Agile sprints with tasks including PR reviews, sprint planning, Git branching, and bug fixes.

Lab Demonstrator - FAST NUCES, Lahore   08/2025 -
- **Computer Networks:** Conducted hands-on lab sessions on network protocols, routing, switching, and socket programming, guiding students through practical networking concepts and troubleshooting.
- **Computer Organization and Assembly Language:** Taught x88 architecture from fundamentals to display routines and interrupt handling and guiding students through low-level programming.

Skills

Languages: JavaScript, TypeScript, Python, SQL, HTML/CSS

Frontend: React.js, ReactNative (Expo), Angular, Responsive Design, Cross-Browser Compatibility

Backend: FastAPI, ExpressJS, Nestjs, Node.js, RESTful APIs Integration

Databases: PostgreSQL, MongoDB, Prisma ORM, Mongoose, TypeORM

Tools: VS Code, Postman, Cursor, Claude Code

Soft Skills: Problem Solving, Leadership, Team Work, Critical Thinking, Time Management

Projects

Skin Sathi - AI Skin Disease detector and an E-commerce App   08/2025 -
- **Tech Stack and Tools:** React Native (Expo), FastAPI with PostgreSQL DB, Mobilenetv3 model
- Building an AI Skin detection system and an E-commerce application for selling the medicines, an AI chat-bot and a doctor meeting scheduling system.

IHC Pharmacy - Pharmacy Management System   07/2025 - 08/2025
- **Tech Stack and Tools:** React (Vite) frontend and Express + PostgreSQL (Prisma ORM) backend.
- Built a management system for IHC Pharmacy which can create invoices, manage products, users, and also provide daily, monthly, annual analysis of sales
- It is deployed on DigitalOcean droplet. You can visit https://ihc-pharmacy.vercel.app/

HRMS Portal - Human Resource Management System   07/2025 - 08/2025
- **Tech Stack and Tools:** Angular(frontend), NestJS(backend) with PostgreSQL(TypeOrm)
- Developed HRMS features during internship: employee claims, notifications, validations, and Winston logging.

Rasterex Web Viewer - Annotation & PDF Viewer Enhancements   07/2025
- **Tech Stack and Tools:** Angular framework
- Contributed to feature development and bug fixing in JavaScript-based Rasterex Viewer. Optimized PDF object handling, annotation scaling, and rotation fixes.

Education

Bachelors in Computer Science - FAST NUCES, Lahore   2022 - Present
- Scored 3.50/4.00