MUHAMMAD EMAZ ASHRAF

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OBJECTIVE

Aspiring Full-Stack Developer skilled in the MERN stack, aiming to build efficient, user-friendly applications.

EDUCATION

Bachelor of Computer Science, FAST-NU   2020 – 2025

Fsc. Pre-Engineering, Forman Christian College, Lahore   2018 – 2020

SKILLS

Programming Languages	JavaScript, TypeScript, Python, C++
Frontend	React.js, React Native, Next.js, Redux toolkit, API integration
Backend	Node.js, Express.js, REST APIs
Database	MongoDB, MySQL, PostgreSQL
AI/ML	RAG & CRAG, Large Language Models (LLMs), Fine-tuning with Q-LoRA, RoPE Scaling, Vector databases (chromaDB)
Version Control	Git, GitHub

EXPERIENCE

Web Development Intern   June 2024 – August 2024
Codetres, Lahore

- Contributed to software projects and enhanced backend and frontend development skills.

Web Development Intern   June 2023 – July 2023
The Dev Corporate, Lahore

- Gained hands-on experience with MongoDB, Express, React.js, Node.js, Next.js, JavaScript, Git, and GitHub.

PROJECTS

FactFinder LLM (Final Year Project)
Built "FactFinder LLM" using Corrective RAG (CRAG), fine-tuned Llama 3.1 (Q-LoRA, RoPE), vector databases, and semantic search to provide accurate, low-hallucination answers from sensitive datasets (FOIA, WikiLeaks), outperforming baseline CRAG models (58% fewer hallucinations)

Recello - React Native Mobile Marketplace
Developed a React Native mobile app for buying and selling used phones with backend built using Express and PostgreSQL database.

NexaCare - HealthCare App Developed NexaCare, a healthcare Web app with patient and physician portals, including authentication and appointment booking features.

Food Delivery Web App
Developed a full-stack food delivery application using Next.js, Express, MongoDB,.Integrated API's and responsiveness for a seamless and efficient user experience.

EXTRA-CURRICULAR ACTIVITIES

- FC Arts and Literary Circle, FCCU - Deputy Head of Security
- Forman Sports Society, FCCU - Volleyball, Swimming
- Google Developer's Student Club, FAST - Video Editing