

Muhammad Ibrahim

Full Stack Developer | Software Engineer | Generative AI & LLM Integration
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Portfolio | GitHub | LinkedIn

PROFESSIONAL SUMMARY

I am a Software Engineering student and full-stack developer. I enjoy backend work, such as building APIs, login systems and user roles. I have also built my own projects, including a multi-tenant school management platform. I am now learning Generative AI and Agentic AI.

WORK HISTORY

MERN STACK DEVELOPER
Nov 2025 – May 2026

Technet Cloud | Karachi, Pakistan

- Built 20+ responsive storefront themes for sellkar.pk that users can preview and deploy.
- Built mobile features for the Sellkar platform in React Native (Expo).
- Built mirageworks.co, a 25+ page business website.

PROJECTS

ClassPilot — School Management Platform

- Built a multi-role backend (Admin, Teacher, Parent) with JWT auth and bcrypt hashing.
- Designed multi-tenant architecture with RBAC, keeping each school's data separate.

Tech Stack: React, Redux Toolkit, Node.js, Express, MongoDB, JWT

AI Multilingual Messenger

- Building a Flutter chat app that helps people talk across languages, with Supabase for backend and data.
- Designing an AI translation workflow for simple, accessible messaging.

Tech Stack: Flutter, Dart, Supabase, AI/LLM Integration

AI Questions & Answers Generator

- Built an app that reads uploaded PDFs and uses an LLM to generate questions and answers.
- Created FastAPI endpoints for file upload and content generation, with a simple web interface.

Tech Stack: Python, FastAPI, LangChain, Groq LLM API, PDF Processing

SKILLS

Languages: JavaScript, TypeScript, Python, SQL

Frontend Development: React.js, Next.js, HTML5, CSS3, Tailwind CSS

Backend Development: Node.js, Express.js, FastAPI, REST APIs.

Generative AI & LLMs: Retrieval-Augmented Generation (RAG), LLM Integration, Prompt Engineering, LangChain, Embeddings, Semantic Search

Vector Search & Databases: ChromaDB, FAISS, MongoDB, PostgreSQL, MySQL

Mobile Development: Flutter, Dart, React Native (Expo)

Tools : Git, GitHub, Claude, Copilot.

EDUCATION

BS, Software Engineering (BSSE) 2024 – 2028
Sindh Madressatul Islam University (SMIU)

Modern Web and App Development Course 2024 – 2025
Saylani Mass IT Program (SMIT)

Generative AI Course 2026
freeCodeCamp.org