

MUHAMMAD YASIR

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ENGINEERING SUMMARY

Full-stack developer and AI builder specializing in high-performance backends and intelligent web applications. Focused on bridging scalable architecture with LLM integrations to solve realworld problems. Experienced in Python ecosystems, modern JavaScript frameworks, and realtime distributed systems.

TECHNICAL ARSENAL

- **Languages:** Python, JavaScript/TypeScript, SQL, HTML/CSS
- **Backend & APIs:** Django, FastAPI, Flask, RESTful APIs, ASGI/Django Channels
- **Frontend:** React, Next.js, Tailwind CSS, Bootstrap 5
- **AI & Data:** Groq Inference Engine, Llama 3, Prompt Engineering, NLP integration
- **Tools & Security:** Git, SQLite, Web Security, System Architecture

SELECTED ENGINEERING PROJECTS

LinkedIn AI Copilot | *Python, FastAPI, Groq, Llama 3, Chrome Extension*

- Engineered a high-performance Chrome extension that acts as a personal AI assistant for LinkedIn networking and job hunting.
- Integrated Groq's high-speed inference engine with Llama 3 to achieve nearinstantaneous AI response times, bypassing standard API latency bottlenecks.
- Architected features for batch-scoring job postings, analyzing descriptions, and generating context-aware, smart comments to scale professional outreach.

Life-Flow (Blood Donation Platform) | *Django, Python, ASGI, Django Channels*

- Architected a full-stack, real-time blood donation platform connecting donors with seekers instantly.
- Implemented asynchronous communication protocols using Django Channels and ASGI to facilitate real-time donor-seeker matching.
- Designed a secure and intuitive donor management dashboard and relational database schema using SQLite.

Namaz Time (Global Prayer Web Application) | *Full Stack Web*

- Developing a comprehensive prayer time application engineered for global coverage and high accuracy.

- Currently refactoring the entire frontend architecture to deliver a premium UI/UX and seamless responsive design across all devices.

Shop Management System | *Python, Flask, Bootstrap 5*

- Built a comprehensive, MVC-patterned web application for SMBs to manage inventory, process sales, and track analytics.
- Designed a robust RESTful API layer to handle state and data transfer between the SQLite database and the responsive Bootstrap 5 client interface.

EDUCATION

University of Loralai — Balochistan, Pakistan *Bachelor of Science in Computer Science*
(Currently in 6th Semester)

- **Focus:** Software Architecture, Artificial Intelligence, Web Security.