Yasir Khan

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SKILLS

Languages: JavaScript, Python, HTML/CSS, SQL, MATLAB, C++ (beginner), PHP (beginner)
Frameworks/Libraries: React.js, Next.js, Node.js, Express.js, Tailwind CSS, Framer Motion, Three.js, WebRTC, AgoraRTC
Tools: Git, Docker, Firebase, n8n

EDUCATION

University Of Peshawar   **Peshawar, Kpk**
B.S. in Computer Science   *2023*
Graduation, june 2027
  - o **Concentrations:** Full Stack Development and Agentic Ai Development
  - o **GPA:** 3.98/4.00
  - o **Related Coursework:** Data Structures & Algorithms, Objects & Design, Operating Systems, Web Technologies, Data Communication, Artificial Intelligence

EXPERIENCE

KRW Chartered Accountants (Islamabad)   **Hybrid**
Software Engineer   *May 2025 -*
till date

- Built **Taxbot**, an AI-powered tax advisory assistant using LangChain, ChromaDB, FastAPI, and Next.js; prototyped with Gradio and Hugging Face.
- Automated internal workflows with **n8n**, Docker, and custom Python/JS scripts.
- Maintained company website (custom + WordPress) and configured Ubuntu server for in-house applications.

Academic Vitality (Islamabad)   **Hybrid**
Full Stack Web Developer   *May 2025 -*
till date

- Developed a custom **Learning Management System** with video lectures and an ICAP-style exam interface.
- Automated **salary slip emails** and **daily WhatsApp schedules** for 100+ students.
- Streamlined exam preparation by converting PDFs directly into a question bank.

PROJECTS

Taxbot – Intelligent Tax Advisory Assistant
July 2025 – till Date

- Built in collaboration with a 4-member team to streamline tax-related queries using **Retrieval-Augmented Generation (RAG), LangChain**, and **ChromaDB** for context-aware responses.
- Designed and implemented the backend with **FastAPI (Python)** for query processing and retrieval, and developed a responsive **Next.js frontend** to deliver a smooth user experience.
- Introduced a novel retrieval method by integrating an **LLM-generated query mechanism** that transformed metadata into optimized vector database queries, boosting data relevance and accuracy from **60–70% to 95–99%**.
- **Prototyped** and **tested** functionality using **Gradio**, hosting early versions on **Hugging Face** for rapid iteration and stakeholder feedback.

Festar Meetup
Sept 2024 – Feb 2024

- **Event Management Platform:** Developed **Festar Meetup** to streamline event organization, allowing users to create, join, and manage meetups effortlessly.
- **Real-Time Features:** Integrated **Firebase for authentication and data storage**, ensuring seamless real-time updates for event details and user interactions.
- **User-Centric Design:** Built with **ReactJS and Tailwind CSS**, focusing on a clean, responsive UI for an intuitive user experience.
- **Github Link**: https://github.com/Yasirkhan3806/Project-Fester