Waleed Daud

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in https://www.linkedin.com/in/waleed-daud ⌂ https://github.com/waleeddaud

Objective

Software Engineering student and Junior Back-end Developer skilled in building RESTful APIs with FastAPI, Flask, and Express.js. Experienced in LLM integration via LangChain, Gemini, and OpenAI. Can develop basic ETL pipelines using Dagster. Compassion for problem solving, programming fundamentals, and DSA.

Education

Bachelors in Software Engineering	2023 – Present
Punjab University College of Information Technology (PUCIT), Lahore, Pakistan	*CGPA: 3.85/4*
FSC	2019 – 2021
Government College University Lahore(GCUL), Lahore, Pakistan	*Final Grade: 1098/1100*

Experience

Aviation Cadet   June 2022 – June 2023
Pakistan Air Force Academy Asghar Khan (PAFAA)   *Risalpur, Pakistan*

- Was commisioned as Aviation Cadet for Aerospace Engineering
- Participated in training focused on discipline, teamwork, and leadership. Participated in physical,and metal training exercises and critical thinking skills.
- Left training due to medical grounds.

Junior Backend Developer   Nov 2024 – Present
CodeBryx   *Lahore, Pakistan*

- I gained hands-on experience working with Langchain, AI chatbots using OpenAI's Assistant API, and Gemini. Implementing RAG using Pinecone DB.
- I also worked on backend development using FastAPI/ Flask with SQLAlchemy, Node.js with Sequelize ORM, PostgreSQL, and . I was also involved in the implementation of JWT authentication for secure API.
- Working on ETL Data Pipelines using Dagster

Projects

BlogApp | *FastAPI*

- Blog Management: Create, update, delete, and view blogs
- PostgreSQL Integration: Store and manage data
- Secure Authentication with JWT tokens
- GitHub Link

Event Management System | *nodejs, Expressjs*

- Description: Developed a backend for an event management system with secure authentication, role-based access control, and CRUD operations using Sequelize ORM
- GitHub Link

Technical Skills

Languages: Python, C++, JavaScript
Web & Frameworks: Flask, FastAPI, Expressjs, PostgreSQL
Generative AI: OpenAI , Gemini, LangChain, LLM Integration
Data Science & Data Engineering: Pandas, NumPy, Matplotlib, Dagster
Other Tools: Git/GitHub, VS Code