Jameel Ahmad

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Summary

Experienced **Python Developer** with strong expertise in building and deploying **FastAPI-based applications**.
Skilled in developing **RESTful APIs**, integrating databases, and implementing authentication and validation.
Proficient in **asynchronous programming**, **Pydantic**, and **SQLAlchemy** for high-performance backend systems.
Focused on writing clean, maintainable code and delivering efficient, scalable backend solutions.

Experience

InvoZone
Associate Software Engineer | 01/2025 – 11/2025

- Designed and developed **RESTful APIs** using **FastAPI** to support AI-powered applications with scalable backend architecture.
- Implemented complete **CRUD functionalities** for efficient data management and seamless database integration.
- Built secure **authentication and authorization** systems using **JWT, OAuth2**, and role-based access control.
- Integrated **AI models and pipelines** for tasks such as prediction, automation, and data processing within FastAPI endpoints.
- Utilized **Pydantic** for schema validation and asynchronous programming to enhance performance and maintain clean code.
- Optimized API workflows by leveraging background tasks, dependency injection, and async I/O for improved responsiveness.
- Collaborated with data scientists and frontend teams to deploy and maintain AI-driven microservices.
- Conducted testing, debugging, and performance tuning to ensure reliability and scalability of AI-integrated APIs.

Aspire Group of Colleges
Lecturer / Vice Principal / Coordinator | 01/2015 – 02/2025

- Delivered engaging lectures in **Science** and **Computer Science** to university and college-level students, fostering critical thinking and practical understanding.
- Designed and implemented **course materials, lesson plans, and assessments** aligned with modern educational standards.
- Supervised academic programs and ensured smooth **coordination between faculty, administration, and students** as a **Vice Principal**.
- Conducted **short-term computer training courses** to enhance students' technical and digital skills.
- Mentored students in **academic projects, research, and career development**, contributing to higher student success rates.
- Played an active role in **curriculum development, faculty training, and quality assurance** to maintain academic excellence.
- Led various **co-curricular and administrative initiatives** that improved student engagement and institutional performance.

Skills

Python, PostgreSQL, FastApi, Docker, Git, AI, Machine Learning

Education

USKT
CS | 08/2024

- Completed **MS in Computer Science** with a focus on software development and AI applications.
- Conducted a **research project** on machine learning and its real-world healthcare applications.
- Developed an **OCR-based system** for extracting and digitizing text from medical prescriptions.
- Achieved **academic excellence** through innovative research and strong technical performance.

Languages

English, Urdu, Punjabi