Faheed Khan

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EDUCATION AND HONORS

Ajay Kumar Garg Engineering College   Ghaziabad, India
BTech in Electronics and communication engineering   July, 2023
- Cumulative GPA: 8.1/10
- Relevant Coursework: Machine Learning, DBMS, Cloud Computing, Python, C programming

PROFESSIONAL EXPERIENCE

TENHAL IT   Riyadh, Saudi Arabia
Backend Developer   Jan 2023 - Present
- Developed the backend infrastructure for a car dealership platform using Django and Python, focusing on database design and RESTful API development to manage vehicle inventory, customer data, and sales processes.
- Engineered key backend features such as inventory management, lead tracking, and user authentication within the Django framework, ensuring secure and efficient data handling for the platform.
- Built a sophisticated RAG chatbot integrating OpenAI API, LANGCHAIN, and Pinecone vector database to streamline user interaction with 100's of company documents.

DATA CAMP   Remote
Data Science Apprenticeship   Feb 2024 -Dec 2024
- Developed NYC taxi demand prediction model using machine learning.
- Applied regression (Linear Regression, Random Forest, XGBOOST) and evaluated with MAE/RMSE.
- Utilized SQL, NumPy, Pandas, Matplotlib, and Scikit-Learn.
- Gained experience in supervised and unsupervised learning techniques.

F13 TECHNOLGY   New Delhi, India
AWS cloud intern   Jan 2024-March 2024
- Gained experience using AWS SAGEMAKER, AWS S3 and AWS EC2.
- Completed a case study on a French energy company ENGIE, on how it utilizes the AWS to reduce the equipment malfunction and to store petabytes of company data.

DXC technology   Remote
Associate Software engineer (Foundation Training)   June 2023 – July 2023
- Received training on software engineering principles, Object oriented programming and Database like PostgreSQL and MongoDB and Cloud Computing fundamentals. Passed the foundation training with 75% in the first attempt.

SKILLS

- **Software development**: HTML, CSS, JavaScript, Python, Django, MySQL, PostgreSQL, MongoDB
- **AI and Data Science:** Supervised and Unsupervised learning A/B testing, Statistics, Python (e.g. scikit-learn, NumPy, pandas, matplotlib), LANGCHAIN, RAG, LLMS, Hypothesis Testing.
- **Other tools and Programming languages:** C, C++, POWER BI, EXCEL, GIT

PROJECTS

Intelligent Conversational Inventory Agent: GITHUB
(*Django, JavaScript, LLMs, RAG, LANGCHAIN, PINACONE*)
- Built a full-stack Django application featuring an intelligent, natural language-driven inventory chatbot that **reduced inventory query time by 40%** and **handled over 150 user inquiries per day**.
- Integrated the Gemini API and LANGCHAIN to translate user queries into optimized SQL commands, achieving **95% accuracy in query translation** and enabling seamless database interaction with **60% faster data retrieval**.
- Implemented robust error handling that resolved **85% of common query errors automatically** and API quota management that prevented **at least 3 potential API limit breaches per week**. Developed a responsive, AJAX-powered frontend that improved user engagement by **25% (measured by average session duration)**.

DEVPEDIA: A Platform for connecting with developers: GITHUB
(JavaScript, Django, PostgreSQL, ReactJS, Tailwind)
- Architected and implemented DEVPEDIA, a full-stack web application for developer portfolio management and collaboration.
- Developed a dynamic React.js frontend with AJAX for asynchronous data retrieval, resulting in **30% faster page load times** and a scalable Django REST API backend with PostgreSQL that handled **an average of 50 database operations per second** with **99.9% uptime**. Implemented complex features like search functionality that returned results in **under 0.8 seconds** and user engagement tools that led to an average of **12 user sessions per week per user**.