

# Faheed Khan

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## EDUCATION AND HONORS

### Ajay Kumar Garg Engineering College

BTech in Electronics and communication engineering

Ghaziabad, India

July, 2023

- Cumulative GPA: 8.1/10
- Relevant Coursework: Machine Learning, DBMS, Cloud Computing, Python, C programming

## PROFESSIONAL EXPERIENCE

### TENHAL

Backend Developer

Riyadh, Saudi Arabia

Jan 2025 – Present

- Spearheaded the backend development of a comprehensive car dealership management system, utilizing Django, Django REST Framework, and Python, designing robust RESTful APIs to efficiently manage critical modules including vehicle inventory, customer data, sales pipelines, and service records.
- Engineered a scalable and secure data architecture by leveraging PostgreSQL for relational data integrity and MongoDB for flexible NoSQL data storage (e.g., historical logs, dynamic configurations), optimizing data access through both Django ORM and SQLAlchemy.
- Implemented high-performance asynchronous messaging systems by integrating RabbitMQ and Kafka, ensuring real-time data synchronization across distributed services (e.g., inventory updates, lead notifications) and enhancing system responsiveness.
- Drove significant improvements in system reliability and deployment efficiency through the adoption of Docker for containerization, establishing robust CI/CD pipelines, and implementing comprehensive API testing practices, resulting in faster feature delivery and reduced post-deployment issues.
- Developed and deployed a sophisticated RAG (Retrieval Augmented Generation) chatbot for internal knowledge management, seamlessly integrating OpenAI API, LangChain, and Pinecone vector database to provide instant, accurate answers from hundreds of company documents, drastically improving team productivity.
- Proactively identified and mitigated security vulnerabilities through secure coding practices and regular penetration testing, ensuring data integrity and compliance. My contributions to building a resilient and secure platform were directly recognized by the founder for significantly enhancing our product's stability and market readiness.
- Contributed to infrastructure optimization and network security within a Linux environment, ensuring robust and performant application deployment and operation.

### DATA CAMP

Data Science Apprenticeship

Remote

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.

### F13 TECHNOLOGY

AWS cloud intern

New Delhi, India

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

Associate Software engineer (Foundation Training)

Remote

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, ReactJS
- **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, JUPYTER NOOTEBOOK, VSCODE, CI/CD, Docker, Kubernetes, SQL Alchemy, Networking, Linux, Testing, RabbitMQ, Kafka, Celery.

## PROJECTS

### DEVPEDIA: A Platform for connecting with developers:

(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**.