

AZAJ PATEL

DATA SCIENCE GRADUATE | DBA | PYTHON, R, SQL, EXCEL, POWER BI

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PROFESSIONAL SUMMARY

Computer Science graduate and MSc Data Science professional with hands-on experience as a **Database Administrator** and exposure to backend system development. Skilled in **Python (OOP)**, **SQL**, **AWS**, and **scalable database management**, with strong foundations in **algorithms, data structures, and system design**. Delivered multiple projects involving **high-volume data pipelines, modular architectures, and ML-driven backends**, and eager to contribute to **Prime Video's mission-critical backend services**.

SKILLS

- **Programming & OOP:** Python • Java • C • C++
 - SQL • Object-Oriented Design
- **Backend & Cloud:** AWS (EC2, S3, Lambda) • REST APIs • JSON • XML • Git • Linux/CLI
- **Visualization & Tools:** Power BI • Tableau • Advanced Excel
- Databases: MySQL • PostgreSQL • Oracle DB • Indexing • Backup & Recovery
- **Data & ML:** Pandas • NumPy • Scikit-learn • TensorFlow • PyTorch • Keras
- **Core CS:** Algorithms • Data Structures • System Design • Low-Latency Programming

EXPERIENCE

Database Administrator, 09/2020 - 08/2023

PropLeader Pvt Ltd – Bangalore

- Designed and maintained **large-scale transactional databases**, ensuring uptime and performance for production systems.
- Optimized SQL queries and indexing strategies, **reducing query latency by 35%**.
- Automated backup, recovery, and reporting workflows using **Python and shell scripts**.
- Collaborated with development teams to design **scalable schemas and APIs** that integrated with enterprise applications.
- Ensured **data security, integrity, and high availability** across multiple environments.
- Streamlined backup and recovery processes, enhancing overall system stability and availability.
- Administered, supported, and monitored databases by proactively resolving database issues and maintaining servers.
- Provided timely resolution of critical production issues, minimizing downtime and avoiding potential revenue loss.

Sortation Associate, 08/2025 - Current

Amazon DCF1 – Newport, United Kingdom

- Supported daily and peak operations, gaining exposure to last-mile logistics.
- Partnered with management to identify workflow inefficiencies and suggest **process improvements**.
- Supported Amazon logistics operations during **peak-time demand**, working as a part-time Sortation Associate in DBS2 Bristol.
- Supported operations ensuring **system accuracy and throughput efficiency** at scale.
- Gained exposure to **Amazon's backend workflows and logistics systems**.
- Contributed to **process optimization initiatives** that improved speed and reliability during peak operations.

EDUCATION

Master of Science: Data Science - NVQ Level 7, 11/2024

University of South Wales - Cardiff, United Kingdom

Grade: Distinction

Image Recognition System (YOLOv5, Python, AWS) – MSc Dissertation | Sep 2024

- Developed an **end-to-end scalable backend pipeline** for context-aware image recognition.
- Integrated deep learning models with **AWS S3 + Lambda for serverless deployment**.

Bachelor of Engineering: Computer Science - NVQ Level 6, 09/2020

Rajiv Gandhi Institute of Technology - India

Grade : First Class

Final Year Project: Intelligent Parking System (IoT + SQL Backend)

- Designed and implemented a **smart parking system** integrating IoT sensors with a **scalable SQL database and API backend**.

TECHNICAL PROJECTS

- **Scalable Video Streaming Rights Management System (Java + SQL + AWS)** – Personal Project | 2024
 - Designed a **mock backend service** for determining video playback rights and entitlements.
- **Alzheimer's Disease Classification Pipeline (Python + Flask API)** – Coursework | Mar 2024
 - Converted ML model into a **production-ready REST API** using Flask.
- **Breast Cancer Classification (Random Forest, SQL)** – Coursework | Jan 2024
 - Built a **modular classification service** with database integration.

CERTIFICATIONS

- Power BI Certified Data Analyst Associate
- Advanced Deep Learning Specialization - Coursera
- SQL Associate by DataCamp (Dec 2024)