

# OMKAR SHENDE

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## TECHNICAL SKILLS

**Languages:** Python, SQL, Shell Scripting

**Databases:** SQL Server, PostgreSQL, MySQL

**Libraries:** Pandas, Numpy, Scikit learn

**Technologies:** Git, Docker, Azure Databricks, AWS

**Visualization:** Matplotlib, Seaborn

**Frameworks:** Spark, Unittest, Selenium

## EXPERIENCE

### Circulant Solutions

July 2022 – Present

*Associate Data Engineer*

- Reduced SQL query generation time through **OpenAI API** integration with the database using **Python**
- Developed a **81% accurate Machine Learning** model to boost recruitment using **Docker, S3, Lambda**.
- Devised an innovative migration pipeline solution conserving data integrity by concise logging, facilitating data transfer of around **718 GB** from an external SFTP server to the client's **S3** cloud reducing transfer time.
- Developed a streamlined pipeline that integrates shell triggers for SFTP, **Databricks** flow monitoring, **DynamoDB** metadata validation and view creation in **RedShift** reducing error handling time by **80%**.
- Improved a daily **Power BI** dashboard refresh flow, reducing manual effort using **PySpark**.
- Reduced claims data ingestion time through **PySpark** on **Databricks** on **Azure Blob Storage**.
- Programmed a python flow of controlling folder permissions by **PowerShell** reducing manual time.
- Automated a basic **ETL**, reducing manual data loading ensuring efficient clinical data ingestion.
- Proposed a POC to automate provisioning CRUD tasks for fast creation, updation and deletion of the users.

### Cognizant

April 2022 – June 2022

*Programmer Analyst Trainee*

- Trained for 3 months in Python, SQL and Data Warehousing enhancing data analytics skills.

### Avvashya CCI Logistics Ltd

September 2021 – February 2022

*Solutions Design Graduate Engineer*

- Optimized cost data solutions by tracking productivity and managing procurement expenses by **0.25%**.

## PROJECTS

### Real-Time Road Journey Pipeline 🔗

*Tech Stack: Kafka, Zookeeper, PySpark, Docker, AWS Redshift, Glue*

- Designed and implemented a real-time data streaming pipeline to monitor road journeys, contributing to enhanced road safety and accident prevention.

### AI Agentic Medical Assistant 🔗

*Tech Stack: GROQ, OpenAI, Gradio UI, Meta LLM, Python*

- Implemented a multi-modal AI solution combining speech-to-text, vision, language and text-to-speech capabilities which was built with Groq, OpenAI, Meta LLM and Gradio.

## ACHIEVEMENTS

- Received **Spot Award** for the development project that featured rigorous unit testing.
- Achieved Client Appreciation for ETL automation by reducing the manual verification of data inconsistencies.

## EDUCATION

Degree	Specialization	Institute	CGPA	Year
Diploma	Data Science	IIT Madras	7.13	2024 - Present
Bachelors of Engineering	Mechanical	Mumbai University	9.22	2017 - 2021

## CERTIFICATIONS

- Lakehouse Fundamentals - Databricks 🔗
- Fundamentals of Generative AI - Databricks 🔗
- Machine Learning with Apache Spark - Coursera 🔗