

# ROSHAN FAREED N

Aspiring Data Engineer | PySpark · Databricks · SQL · Azure

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⌚ github.com/ROSHANFAREED 🔗 https://ROSHANFAREED.github.io

## Professional Summary

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Aspiring Data Engineer skilled in building scalable ETL/ELT pipelines using Databricks, PySpark, ADF and SQL. Experienced in data modelling, cleaning, transformation and developing dashboards for analytical insights. Completed 10+ end-to-end data engineering and analytics projects applying Medallion architecture, Delta Lake, and cloud data engineering concepts. Strong engineering foundation combined with analytical mindset to deliver reliable and efficient data solutions.

## Core Skills

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### Databases & SQL:

MySQL, SQL Server, Joins, Subqueries, Window Functions, Stored Procedures, Aggregations

### Programming:

Python (Pandas, NumPy), PySpark, Git/GitHub, Linux

### Data Handling & Analysis:

ETL Concepts, Data Cleaning, Data Validation, Exploratory Data Analysis

### Data Engineering & Cloud:

Databricks (PySpark, SparkSQL), Delta Lake, ADF, Azure Synapse, Azure Fabric, DBT

### Business Intelligence:

Power BI (DAX, Drillthrough, KPI dashboards), Tableau

### Other Tools:

Airflow, Kafka, Snowflake, BigQuery, Excel

## Projects (GitHub Portfolio)

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### Retail Sales Data Engineering Pipeline using Databricks (Medallion)

11/2025 – 12/2025

**Architecture, Tech:** Databricks, PySpark, Delta Lake, Power BI, CSV/JSON, SparkSQL

- Built an end-to-end ETL pipeline using Bronze–Silver–Gold layers to process raw retail data.
- Performed data cleaning, schema enforcement, null handling, and multi-format date parsing using PySpark.
- Created Gold-level aggregates including **Total Sales by Category, Order Trends, AOV, and Avg Price per Item.**
- Designed an interactive analytics dashboard visualizing customer behavior and revenue insights.
- Implemented transformation logic using Delta Lake for optimized storage and incremental updates

### E-commerce Online Retail Analytics, MySQL, SQL Server, Power BI

- Implemented advanced DAX measures and drillthroughs, improving dashboard performance by 25%.
- Delivered insights on purchase patterns and profitability drivers, leading to strategic recommendations.

## **Uber Rides Analytics Dashboard (Power BI | Kaggle Dataset)**

- Built an end-to-end **Uber rides analytics dashboard** using Power BI, analyzing 149K bookings across 2024 to extract customer, driver, and operational insights.
- Processed and transformed raw Kaggle data using Power Query; engineered time-based features and validated data quality (completeness, consistency, outliers).
- Designed interactive visualizations highlighting **peak demand hours, payment preferences, booking completion rates, customer vs. driver satisfaction**, and revenue trends.
- Delivered KPIs such as **Total Bookings, Total Revenue (\$51M), Distance Traveled (2.49M miles), Avg Customer Rating (4.40)**, supporting business decision-making.

## **Professional Experience**

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### **Quality Inspector, Pro Candour Automotive Pvt Ltd, Chennai**

2019 – 2021

- Conducted end-to-end inspections ensuring 100% compliance with quality standards.
- Developed Excel-based reporting system that reduced manual reporting time by 40%. Built visual dashboards for weekly review meetings, enabling management to make quicker decisions.
- Collaborated with production and engineering teams, reducing defect rates by 15% through corrective actions.

## **Education**

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### **B.E. Mechanical Engineering, AMS College of Engineering, Anna University**

2019

CGPA: 6.56/10

## **Key Achievements**

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- Completed **10+ end-to-end data engineering and analytics projects**, demonstrating strong understanding of ETL pipelines, PySpark transformations, SQL, and dashboard development.
- Automated reporting workflows using Excel & Python, reducing manual effort and improving accuracy. Improved quality control in automotive operations by **reducing defect rates by 15%** through data-driven insights.
- Successfully transitioned from Mechanical Engineering to Data Engineering through structured learning, hands-on projects, and cloud technology skills.

## **Certifications**

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### **Google Data Analytics**

**Professional Certificate –**

**Coursera**

(Completed)

### **Microsoft Power BI Analyst**

**Certificate – Coursera**

(Completed)

### **Microsoft PL-300 (Power BI**

**Data Analyst)**

– In Progress

## **Additional Projects:**

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Prison Data Analysis | Customer Segmentation | Financial KPI Dashboard and more

 <https://github.com/ROSHANFAREED?tab=repositories> 

## **Availability:**

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Immediate Joiner | Open to  
Relocation