

DURGA PRASAD

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Professional Summary

Detail-oriented Data Analyst with strong SQL and Spark SQL skills, experienced in data extraction, ETL setup, and data validation. Skilled in Python, Excel, and BI tools like Power BI. Experienced in identifying data quality issues, performing root cause analysis, and building automated reporting solutions. Familiar with cloud environments such as AWS and GCP for data storage and analytics.

Education

Malla Reddy College of Engineering, Hyderabad

2021 - 2025

B.Tech in Computer Science and Engineering (Data Science)

Relevant Coursework: Database Management Systems, Data Analytics, Big Data, Machine Learning, Cloud Computing

Technical Skills

- **Programming:** Python, SQL, Spark SQL, Java (Basic), HTML
- **Data Analytics:** Pandas, NumPy, Matplotlib
- **Database Systems:** MySQL, PostgreSQL
- **Cloud Platforms:** Azure (Databricks, ADLS Gen2, Data Factory), AWS (EC2, S3)
- **Devops Tools:** Docker(Basics), Git, GitHub Actions(Basics), VS Code, PyCharm
- **Core Concepts:** Python Full Stack, ETL Processes, GEN AI

Projects

CareerHub – Job Classification Web Application — *Python, Django, SQL*

2025

Machine Learning, Data Analytics, ETL Processing

- Developed a job classification web application to predict job titles using ML and NLP-based data processing.
- Built SQL-based data extraction pipelines for job data collection and validation.
- Performed ETL transformations and integrated data visualization using Power BI dashboards.
- Automated data quality checks and implemented reporting for classification performance analysis.

Azure Data Engineer – End-to-End Data Engineering Project — *Azure Data Factory, ADLS Gen2*

2025

Cloud Data Engineering, ETL Pipelines, Databricks, PySpark, Synapse

- Designed parameterized and reusable ETL pipelines in Azure Data Factory using Copy Data, Lookup, ForEach, and If Condition activities to handle dynamic ingestion logic.
- Ingested batch data into Azure Data Lake Storage Gen2 and organized datasets using Medallion Architecture (Bronze, Silver, Gold).
- Implemented scalable data transformations in Azure Databricks using PySpark for data cleansing, enrichment, and schema standardization.
- Loaded curated datasets into Azure Synapse Analytics and optimized tables for downstream BI and reporting use cases.

Optimal Ambulance Positioning – Emergency Response System — *Python, Spark SQL, Pandas, Numpy*

Data Analytics, Predictive Modeling

- Built a predictive system to identify high-risk zones using Spark SQL and clustering algorithms.
- Performed data cleaning, validation, and transformation as part of ETL workflow.
- Created analytical reports and visual dashboards to support decision-making.

Certifications

AWS for Beginners – Great Learning • Marketing Analytics with Meta – Coursera • Software Development in Python – Coursera

Full Stack Web Development (Django) – GIGL

Achievements/Leadership

- Participated in Brain O Vision Hackathon; developed a cloud-based data solution using AWS services for analytics automation.
- Presented Django-based sports analytics project at Ideathon; appreciated for data insights and system efficiency.
- Worked as Facility Supervisor at CWS One since Nov 2022; managing daily reports, data logs, and team operations alongside studies.

Interests

- Data Analytics, Business Intelligence, SQL Optimization, Chess, Badminton