

JOSEPH CHARLES

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Summary

Junior Developer transitioning to **Data Science**, with 1.5+ years of experience at TCS and expertise in Python, ETL pipelines, and database migration. Skilled in building scalable data solutions (AWS Redshift, Glue) and passionate about leveraging machine learning to solve business problems. Aiming to apply technical skills in Python, SQL, and data engineering to deliver actionable insights as a Data Scientist.

Skills

- **Programming:** Python (Pandas, NumPy, Scikit-learn), SQL (PostgreSQL, MS SQL), Git
- **Data Science:** Machine Learning, ETL/Data Pipelines, Data Warehousing, AWS (Glue, S3, Redshift)
- **Tools:** AWS (Redshift, Glue, DynamoDB), Tableau/PowerBI (basic), Spark (basic)
- **Databases:** Redshift, MS SQL, DynamoDB
- **Soft Skills:** Agile Collaboration, Problem-Solving, Adaptability

Professional Experience

Tata Consultancy Services (TCS)

Data Engineer | Chennai, India | 2021–2022 (1.5 years)

- Built ETL pipelines using **Python** and **PySpark** to process 10TB+ of client data, reducing report generation time by 30%.
- Collaborated with analytics teams to structure data warehouses in **AWS Redshift**, enabling faster querying for BI dashboards.
- Automated data validation scripts (Python) to ensure 99.9% accuracy in migrated datasets.
- Tools: AWS S3, Glue, Python, SQL.

Learnship

Junior Python/SQL Developer | Chennai, India | 2020–Ongoing

- Migrated legacy MS SQL data warehouses to **AWS Redshift**, improving query performance by 40% for BI teams.
- Developed Python-based ETL workflows using **AWS Glue** to automate data ingestion from 10+ sources.
- Collaborated with cross-functional teams to debug data pipeline issues, ensuring 24/7 uptime for critical workflows.

Projects

Customer Churn Prediction | *Machine Learning*

- Built a logistic regression model (Python/Scikit-learn) to predict customer churn with 85% accuracy using telecom data.
- Engineered features like usage patterns and payment history, deployed via Flask API for real-time predictions.

Sales Analytics Dashboard | *Tableau*

- Created interactive dashboards to track regional sales performance, reducing manual reporting efforts by 50%.

ETL Automation for Retail Data | *AWS Glue, Python*

- Automated daily extraction of sales data from DynamoDB to Redshift, reducing manual effort by 20 hours/month.

Education

B.Tech in Information Technology | 7.21 CGPA

Manakula Vinayagar Institute of Technology, Pondicherry University

- Relevant Coursework: Data Structures, Databases, Statistics, Cloud Computing

Certifications

- AWS Certified Cloud Practitioner (optional: add if pursuing)

- Coursera: *Applied Data Science with Python* (University of Michigan) *[add if completed]*

Strengths & Interests

- **Strengths:** Analytical Thinking, Agile Methodology, Attention to Detail
- **Interests:** Machine Learning, Predictive Analytics, Big Data

[Signature]

Joseph Charles | Date: [DD/MM/YYYY]

Key Improvements for Data Science Roles

1. **Highlighted Data Science Skills:** Added Python ML libraries (Pandas, Scikit-learn) and tools (Tableau).
2. **TCS Experience:** Focused on data engineering tasks relevant to Data Science (ETL, pipelines, collaboration with analytics teams).
3. **Projects:** Added ML and analytics projects to showcase hands-on experience.
4. **Keywords:** Included terms like *predictive modeling*, *data pipelines*, and *BI dashboards* for ATS optimization.