AYUSH PADVEKAR

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SUMMARY

Data Engineer with experience designing and operating AWS ETL pipelines (S3, Glue, Lambda, Step Functions) processing millions of records. Proficient in Python, SQL, and BI tools (Power BI, QuickSight), with a track record of optimizing data workflows, improving data quality, and delivering analytics dashboards for finance and operations.

EXPERIENCE

Data Engineer Mar 2024 – Present
Metropolis Healthcare Limited, Mumbai

- Built and scaled AWS ETL pipelines (S3, Glue, Lambda, Step Functions) processing 5M+ records/day, improving data availability by 30% and cutting manual reporting effort by 40%.
- Optimized ETL workflows and SQL (Athena/Glue), reducing pipeline runtime by 35% and enabling faster refresh of operational and financial dashboards.
- Delivered 20+ Power BI/QuickSight dashboards for 10+ stakeholders across operations, finance, and lab teams, reducing decision turnaround time by 25%.

Data Analytics Intern Jun – Aug 2023
EduRiser Learning Solutions, Mumbai

- Developed 8+ interactive dashboards on student performance data, improving reporting efficiency by 50%.

TECHNICAL SKILLS

Languages:	Python, SQL
Big Data / ETL:	PySpark, AWS Glue, ETL Development, Data Modeling, Data Lakes
Cloud (AWS):	S3, Lambda, Step Functions, Glue, Athena, EMR
Orchestration:	AWS Step Functions, Workflow Automation, Monitoring
Tools:	Amazon QuickSight, Power BI, Tableau, Git, Excel

PROJECTS

Data Lake on AWS
Integrated 5+ databases into a centralized AWS Data Lake, reducing data silos by 40% and reporting turnaround by 30%. Built scalable ETL pipelines for ingestion and analytics.

Vision-based Vehicle Detection and Counting System
Engineered YOLOv8-based traffic analytics system with 92% detection accuracy. Processed real-time video streams at 25+ FPS. Automated vehicle counting reducing manual monitoring effort by 60%. (GitHub)

Spam Email Detection using Deep Learning
Built deep learning models (LSTM, Bi-LSTM, GRU) with 94% classification accuracy. Applied K-Fold Cross Validation to improve model reliability by 18% and reduced false positives by 22% using ensemble voting. (GitHub)

EDUCATION

MCA – AI and Data Science, DY Patil International University 2022–2024
CGPA: 8.21

B.IT, Mumbai University 2019–2022
CGPA: 8.54