Pradeep Joel X

Data Analyst/ Data Engineer

Master's student in Data Engineering for AI (DSTI, France) with **2 years' experience as a Data Analyst at Comcast** . Strong in **SQL, Python, data pipelines, and data quality** , with hands-on experience building **end-to-end data solutions** on large datasets. **Seeking a Data Engineering internship (Feb–Sep 2026).**

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EDUCATION

MSc in Data Engineering for Artificial Intelligence
DSTI School of Engineering
2025 - Present   *Sophia Antipolis, France*

PGDM in Data Science & Engineering
Great Lakes Institute of Management
2021 - 2022   *Chennai, India*

Bachelor of Science in Computer Science
Loyola College
2017 - 2020   *Chennai, India*

WORK EXPERIENCE

Analyst
Comcast
2023 - 2025   *Chennai, India*
Comcast is a global media and technology company providing broadband, cable, and entertainment services through brands like Xfinity, NBCUniversal, and Sky.
Achievements/Tasks

- • Analyzed large-scale ad-delivery datasets to ensure accurate and timely campaign airing.
- Built SQL- and Python-based data validation checks to reduce scheduling and delivery errors.
- • Improved ad-timing accuracy through predictive analysis and performance monitoring.

Junior Data Analyst Intern
Lemniscate Entertainments
2022 - 2023   *Chennai, India*
Lemniscate Entertainments is a digital media company focused on content-driven marketing and social media engagement analytics.
Achievements/Tasks

- • Analyzed digital campaign data across social media platforms to identify engagement trends.
- • Performed exploratory data analysis (EDA) to support content targeting and planning.
- Created visualizations to communicate insights to marketing teams.
- • Supported campaign strategy by translating data findings into actionable recommendations.

SKILLS

Python   NumPy   Pandas   Matplotlib   Seaborn
Data conversion   Data validation   Quality monitoring
Statistical analysis   KPI definition
Automated reporting   Data visualization
Large-scale dataset processing
End-to-end data pipelines   Log & telemetry data analysis
Failure detection   Anomaly monitoring
Metrics definition   Performance tracking

PERSONAL PROJECTS

Battery Management System (BMS) Data Analysis & Monitoring

- Analyzed BMS telemetry data (voltage, current, temperature, SOC) using Python.
- Performed data cleaning, validation, and time-series analysis.
- Implemented rule-based checks for battery safety limits and fault detection.
- https://github.com/pradeepjoel/Battery-Management-System-BMS-Data-Analysis-Monitoring

Healthcare Fraud Detection

- Analyzed healthcare claims data to detect potentially fraudulent providers.
- Identified key fraud patterns such as overbilling, bogus claims, and fake diagnoses.
- https://github.com/pradeepjoel/HealthCare-Provider-Fraud-Detection-Analysis

CERTIFICATES

AWS Data Engineer - Associate (In Progress)

Data Engineering Foundations - National Association of State Boards of Accountancy (NASBA)

LANGUAGES

English
Full Professional Proficiency

French (A2)
Elementary Proficiency