

Aryan Gupta

Curious & Driven Analyst | Data Science Enthusiast | 2+ Years of Experience | Immediate Joiner

Key Skills and Tools

- Machine Learning
- SQL and NoSQL DB
- Power BI
- Scikit-learn
- TensorFlow
- CI/CD Pipelines
- ETL Pipelines
- Extraction Transformation Load
- Statistical Modeling
- Advanced Excel
- Data Visualization
- Interpersonal Skills
- Business Acumen
- JIRA Project Management

Work Experience

Team Lead at National Skill Development Corporation (NSDC) - New Delhi

(April 2024-Present)

- **Managed CRM operations** for 60K+ support records in last FY, created **SQL-backed SLA dashboards**, and coordinated a 6-person team, resulting in 96% on-time resolution **resulting in 4.5% YOY improvement**, better stakeholder coordination and decision-making.
- **Designed and deployed interactive dashboards** for key Government schemes (PMKVY, JSS, PMV) by extracting data from **SQL and NoSQL databases** using **ETL pipelines** and **Power BI**, enhancing **cross-functional data visibility** for 100+ users
- **Analyzed and managed JIRA issue data** for the **Skill India Digital Hub (SIDH)**, applied **statistical modeling** techniques and **data-driven prioritization**, resulting in **89% resolution within TAT**

Projects

CARS24 used cars price prediction using Scikit-Learn, Pandas and Seaborn

- Built an end-to-end scikit-learn regression model on Cars24-style data considering vital features like make/model, year, kms, fuel, transmission and owners
- Benchmarked Linear Regression, Decision Trees, Random Forest, Gradient Boosting, and XGBoost with cross-validation; selected via RMSE and R2 on a holdout set.
- Engineered domain features (car age, km/year, segment etc.) to best predict depreciation and regional demand.
- Delivered production-grade accuracy (e.g., **MAE ≈ ₹105000; R2 ≈ 0.90–0.93**)
- Containerized the service with Docker; shipped a minimal image and deployed on AWS with CI/CD integration.

TARGET hypermarket online sales analysis using SQL & Tableau for 500K+ user data with 10 MN+ transactions

- Analysed and documented the YoY sales growth pattern, identified **2.5X** increased sales value during the initial year
- Conducted an in-depth analysis to optimize key business parameters, including Delivery TAT, freight charges, and customer distribution across states, to drive operational efficiency and cost savings.

Yulu E-Bikes rental performance analysis using Hypothesis Testing techniques, EDA, Python & Seaborn

- Examined peak rental hours using hypothesis testing and advanced statistics to enhance inventory efficiency and propel loss minimization
- Evaluated weather impact on rental rate to reveal negative correlation with rain and cold temperatures for optimal resource allocation

Academic Background

- Data Science Specialization (January 2023 – January 2024)
- Bachelor of Technology in Electronics and Communication Engineering (2018-2022)
Meerut Institute of Engineering and Technology, Meerut

Current Interests and Hobbies:

- Currently exploring Machine Learning & Generative AI use cases
- Introductory hands-on with Azure cloud ecosystem