

Dipshikha

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Summary

Second-year Data Science student at IIT Madras with strong skills in SQL, Python (Pandas, NumPy), and Scikit-learn. Experienced in data wrangling, cleaning, preprocessing, and building ML pipelines. Proficient in statistics, A/B testing, and data visualization using Power BI, matplotlib, and seaborn. Passionate about extracting insights from large datasets and building scalable data workflows.

Education

Indian Institute of Technology, Madras
B.S. in Programming & Data Science
CGPA: 6.0/10

Chennai, India
2023 – 2027

Projects

Business Data Management Capstone
Excel, Power BI, SQL

Feb – May 2025

- Analyzed 500+ SKU-level sales records, identifying revenue drop and recovery trends.
- Built interactive dashboards in Power BI for KPI monitoring and decision support.
- Recommended pricing & inventory strategies, improving profits by 25%.

E-commerce Purchase Value Prediction (Kaggle Engage-2)
Python, Pandas, Scikit-learn, XGBoost, LightGBM

May – Jul 2025

- Built regression pipeline on 2.5M+ clickstream records with preprocessing & feature engineering.
- Improved prediction accuracy by 15% over baseline, achieving $R^2 = 0.88$.
- Secured Top-50 Kaggle leaderboard rank; deployed pipeline with Docker.

Technical Skills

Languages: Python, SQL

Libraries/Frameworks: Pandas, NumPy, Scikit-learn, Seaborn, Matplotlib, TensorFlow, PyTorch

ML/AI: Regression, Classification, Predictive Modeling, A/B Testing

Visualization/Tools: Power BI, Excel, Git, Docker, AWS (basics), Azure (basics)

Relevant Courses

Data Science Tools & Applications — Database Management Systems

Applied Statistics — Machine Learning Foundations

Data Visualization & Business Analytics

Certifications & Achievements

Intro to Machine Learning (Duke Univ.) — AWS Data Analytics — Excel Dashboards

Top-50 Rank in Kaggle Engage-2 — Certified in Cloud Analytics (AWS) — ML Deployment with Docker & GitHub

Soft Skills

Problem Solving — Analytical Thinking — Collaboration — Communication — Documentation