

# SHREYA AVALE

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## PROFILE SUMMARY

Data-driven Computer Science undergraduate skilled in **data analysis**, **machine learning**, and **business intelligence**. Proficient in **Python**, **SQL**, **Power BI**, **Tableau**, **Excel**. Experienced in **EDA**, **feature engineering**, **model evaluation**, and creating dashboards to support decision-making.

## EDUCATION

**Indian Institute of Information Technology, Pune**  
B.Tech in Computer Science and Engineering

**May 2026 (Expected)**  
Pune, Maharashtra

**Disha Junior College**  
Higher Secondary Education (PCM)

**Mar 2022**  
Wai, Maharashtra

## TECHNICAL SKILLS

**Languages:** Python, SQL, C++

**Libraries/Tools:** Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn, XGBoost, Tableau, Power BI, Excel

**Core Skills:** EDA, Data Cleaning, Data Pipelines, Model Evaluation, A/B Testing, Hypothesis Testing, Business Insights

## PROJECTS

**Fraud Detection in Financial Transactions** — Python, Scikit-learn, XGBoost

*Sep 2025*

- Built a predictive model on **6.3M transactions** for fraud detection.
- Applied **data cleaning**, **feature engineering**, and imbalance handling (class weights, SMOTE).
- Developed Logistic Regression & Random Forest; **Random Forest achieved ROC-AUC = 0.98**.
- Identified fraud predictors (**amount**, **type**, **sender balance**) and proposed preventive strategies.

**Hospitality Domain Data Analysis & Dashboard** — Python, Pandas, Power BI

*Aug 2025*

- Analyzed hotel booking data to uncover revenue, occupancy, and ADR trends.
- Built KPIs (**RevPAR**, **ADR**, **Occupancy%**) and developed an **interactive Power BI dashboard**.

**Smart Traffic Control using AI** — Python, OpenCV

*Jan 2025*

- Designed congestion prediction logic for real-time traffic optimization.
- Reduced average wait time by **32%** and improved emergency response by **42%**.

**Netflix Data Analysis Project** — Python, Pandas, Matplotlib

*Jul 2025*

- Cleaned and analyzed 8,000+ Netflix titles to identify global streaming trends.
- Built visualizations by country, genre, and release year for business insights.

## CERTIFICATIONS & LEADERSHIP

- Data Analyst Bootcamp — Udemy (*Expected: Sep 2025*)
- Deloitte Australia Data Analytics Job Simulation — Forage (Jul 2025)
- Data Analytics using Power BI Workshop — TechTip24 (Jul 2025)
- Conducted stress-management webinars as **Mental Health Counsellor**, Brainway Foundation.