DIYA GUPTA

18/19 Dr.Abani Dutta Road, Howrah, 711106

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Education

Heritage Institute of Technology

*Bachelor of Technology in Computer Science(Data Science) - **CGPA** : 8.25*

Relevent Coursework

- Data Analytics
- Data Mining
- Machine Learning
- Business Analytics
- Data Visualization

Projects

IPL Analysis & Dashboard (2008-2024) | *Python, Pandas, PowerBI |* GitHub Link   **June, 2025**

- Analyzed data from 950+ matches and 1.9M+ ball-by-ball records across 17 seasons to uncover trends in team wins, player form, and venue-based performance.
- Engineered 8+ KPIs such as win percentage, toss impact, and strike rate, enabling comparative analysis for 200+ players and 10+ teams.
- Developed and deployed an interactive Streamlit dashboard with 10+ visualizations and filters for season/team/player, reducing manual data slicing effort by 35%.
- Visualized top scorers, wicket-takers, and match-winning trends using Plotly, Seaborn, and Matplotlib to enable strategic, data-driven cricket analysis.

Blinkit Analysis & Dashboard | *Python, Pandas, Matplotlib, Seaborn, PowerBI |* GitHub Link   **April, 2025**

- Analyzed 8,200+ grocery products across 10+ categories, uncovering that 24% belonged to beverages/snacks and identifying top-selling SKUs by volume.
- Performed EDA on price, volume, and availability, revealing that the top 3 categories had a 38% higher median price and 19% lower availability than others.
- Visualized top 5 expensive categories, frequent products, and price outliers using Power BI, enabling inventory optimization and data-driven promotion planning.

Technical Skills

Languages: Python, SQL, R, Java, C

Libraries & ML: Scikit-Learn, XGBoost, NumPy, Pandas, Matplotlib, Seaborn

Tools: Excel, Git/GitHub, Jupyter Notebook, Google Colab, VSCode

Analytics & Visualization: Power BI, Tableau, Streamlit

DBMS: MySql, SQL Server Management Studio

Concepts: EDA, Regression, Classification, KPI Engineering, Data Wrangling, Data Cleaning

Certifications

- Data Analytics Virtual Internship – Deloitte Australia via Forage   **June, 2025**
- Supervised Machine Learning: Regression and Classification
  – Stanford University (Coursera)   **January, 2025**

Leadership / Extracurricular

Campus Ambassador – GirlScript Summer of Code   **May, 2025 - Present**
Promoting tech events and open-source participation across campus.

Media Analyst Lead - Lead at InsightHub(Departmental Magazine)   **March, 2024 - Present**
Leading data-driven content design for departmental publications.