AARUSHI MANDLOI

Data Management | Excel, Data Validation & Reporting

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SUMMARY

Data Science student at IIT Madras with strong Excel skills (PivotTables, formulas, conditional formatting) and experience organising data into clear reports, trackers and dashboards. Detail-oriented and accuracy-focused, with experience in data cleaning and validation, survey analysis, and working with stakeholders to keep information consistent and up to date.

SKILLS

Excel and Spreadsheets: Excel (PivotTables, Formulas, Sorting & Filtering, Conditional Formatting), Google Sheets
Data Management: Data Cleaning & Validation, Reports & Trackers, Accuracy and Consistency, Attention to Detail
Reporting and BI: Power BI (Dashboard Development, Reporting & Analytics), Matplotlib, Seaborn
Programming and Databases: Python (Pandas, NumPy), SQL, PostgreSQL
Other: Scikit-learn, Git, GitHub, Streamlit | Clear Communication and Team Coordination

EDUCATION

Indian Institute of Technology Madras | Sep 2024 – Sep 2028 (Expected)
BS Degree in Data Science and Applications | CGPA: 8.0

PROJECTS

IPL Data Analysis Dashboard (Excel) | GitHub

- Built an interactive Excel dashboard using PivotTables, slicers and charts on IPL match and player datasets (2008 to present).
- Analysed wins by team for Bat First vs Field First, toss-decision win %, the top 10 venues by matches played with win distribution, the top 10 Man of the Match winners, and championship titles by team.

India Traffic Accident Risk Analysis (Python) | GitHub

- Analyzed government road-accident data across 160+ states, union territories and cities (618K+ deaths) to identify hotspots and severity patterns.
- Found that road accidents accounted for 88.17% of incidents versus 10.55% at crossings, and built a Composite Risk Score to help prioritize high-severity locations.

Mobile Sales Analysis Dashboard (Power BI) | GitHub

- Built an interactive dashboard tracking total sales, quantity sold, customer ratings and transaction trends across brands, models, cities and time periods to surface top products and revenue-driving markets.

Language Detection using NLP (Python, Streamlit) | GitHub

- Built a text classifier (CountVectorizer + Multinomial Naive Bayes) with 95% test accuracy and a Streamlit web app for predicting the language of user-entered text.

EXPERIENCE

Academic Student Council Member | PW Institute of Innovation | *Aug 2024 – Mar 2025*

- Maintained and organised Excel spreadsheets of stakeholder feedback and survey responses from students and faculty.
- Analysed survey data in Excel and prepared data-driven reports to support decision-making.
- Coordinated with students and faculty to gather requirements and feedback, keeping records accurate and up to date.