Bai Phaneendra
Data Analyst Trainee

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Profile

Aspiring Data Analyst skilled in Python, EDA, and data visualization. Experienced in data cleaning, analysis, and insight generation using Pandas, NumPy, Power BI, and Google Gemini. Strong foundation in statistics and solving real-world problems through data-driven decisions.

Education

Kakatiya University,
Masters in Computer Application (MCA)
2022 – 2024 | Hanumakonda, Warangal

DonBosco Degree College,
Bachelor of Science (MSCS)
2019 – 2022 | Erraggada, Hyderabad

Skills

Python
Pandas, SQL, Java Script

Data Analytics
Data Cleaning, Statistical Analysis, EDA, Visualization using Matplotlib, Seaborn, Plotly, Power BI

Databases
SQLite, MySQL – Schema design, Querying, Joins, User Authentication Systems

Tools & Platforms:
Jupyter Notebook, Git, VS Code, Google Colab, Streamlit Cloud

Professional Experience

Machine Downtime Optimization Analyst, *360DigiTMG* (*Intern*)
10/2024 – 11/2024
- Analyzed downtime data using **Python** and **MySQL**, uncovering root causes through correlation analysis and trend forecasting.
- Created **interactive dashboards** to visualize key metrics and trends.
- Delivered a high-impact **presentation** to management, supporting **data-driven decision-making**.

Projects

IPL Cricket Analytics, (*EDA Project*)
- Analyzed **ball-by-ball IPL match data** to extract key **batting**, **bowling**, and **team performance** insights.
- Used **Pandas** for data cleaning and preprocessing; visualized trends using **Matplotlib** and **Seaborn**.
- Evaluated **batsmen** based on **strike rate**, **bowlers** on **economy rate** and **wicket-taking ability**.
- Assessed **team success rates** and created comparative **player statistics across different teams**.
- Built **interactive dashboards** to present metrics such as **wicket distribution**, **strike rate efficiency**, and **consistency**.
- Delivered a **"Top 11 Underrated IPL Players"** lineup using data-driven criteria, spotlighting **high-impact performers** often overlooked in mainstream selection.

Library Management System, (*MySQL*)
- Designed and implemented a **relational SQL database** to manage **book inventory**, **user records**, and **borrowing history**.
- Created normalized **relational tables** with **primary/foreign key constraints**, **stored procedures**, and **indexes** for efficient data handling.
- Developed optimized **SQL queries** to monitor **book availability**, **issue/return tracking**, **due dates**, and **overdue penalties**.
- Enhanced system performance by improving **data retrieval speed** and reducing **book tracking errors by 50%**, leading to smoother library operations.

Mobile Sales Dashboard, (*Power BI*)
- Developed an **interactive Power BI dashboard** to provide **real-time insights** into mobile sales, visualizing **total sales**, **transaction volume**, **average price**, and **top-performing brands** (e.g., Samsung, Apple).
- Applied **DAX measures**, **slicers**, and **automated data refresh** to enable **dynamic filtering**, **drill-down analytics**, and **real-time reporting** from Excel/CSV data sources.
- Integrated **geographic mapping** and **brand/category segmentation** to highlight **regional performance**, high-revenue zones, and pricing trends.
- Enabled **year-over-year (YoY)** and **month-over-month (MoM)** comparisons to track **seasonal trends** and **product cycle performance**.
- Designed a **user-friendly interface** with KPI cards, bar charts, and heatmaps to support **executive-level decision-making** and **sales monitoring**.
- Delivered a **data-driven solution** that revealed sales growth from ₹6.5M to ₹22.8M, driving strategies for **market expansion** and **product pricing**.