

MAHARGHA KUNDU

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SUMMARY

Computer Science undergraduate with hands-on experience in data analysis and analytics using Excel, SQL, Python, and data visualization tools. Applied statistical analysis, EDA, and querying techniques on real-world datasets to generate insights, improve data quality, and support data-driven decision-making in business and technical environments.

EDUCATION

Vellore Institute of Technology, Chennai

Bachelor of Technology - Computer Science

CGPA: 8.35/10.00

August 2023 -2027

Chennai, Tamil Nadu

EXPERIENCE

Mirai (Startup)

Data science and ML Intern

- Analysed, cleaned, and transformed 6000+ records using Python (Pandas, NumPy) and SQL, performing EDA to identify trends and improving data accuracy by 25% for business decision-making.
- Built automated data pipelines, reports, and dashboards, reducing manual reporting effort by 35% and enabling faster insights for cross-functional teams.
- Applied statistical inference and hypothesis testing to validate trends identified during EDA, ensuring reliable insights for business stakeholders.

SKILLS

- **Data Analysis:** Excel (Pivot Tables, VLOOKUP), SQL (MySQL), Python (Pandas, NumPy)
- **Data Visualization:** Power BI, Tableau
- **Databases:** MySQL, NoSQL
- **Data Handling:** Data Cleaning, Data Transformation, EDA
- **Reporting & Business Insights:** KPI Tracking, Dashboard Reporting

PROJECTS

VENDOR ANALYSIS

- Performed comprehensive vendor performance analysis using SQL, Python ,SQLite and PowerBI, evaluating KPIs such as purchase contribution, sales volume, profit margin, and freight cost to support data-driven decision making.
- Designed and optimized Power BI dashboards incorporating DAX functions, interactive slicers, and KPI metrics to monitor vendor performance, reduce procurement costs, enable vendor consolidation, and deliver actionable insights for strategic sourcing and supply chain optimization.

BIGMART SALES PREDICTION MODEL

- Developed and compared multiple AI/ML models (Linear Regression, Random Forest, XGBoost, ARIMA) using Python and Excel forecasting tools to predict monthly sales with 70%+ accuracy, supporting data-driven business.
- Designed and optimized Power BI dashboards using DAX, ETL-ready datasets, KPI tracking, and time-series visualizations to support sales forecasting, performance monitoring, and data-driven business insights.

OLYMPIC DATA ENGINEERING PIPELINE (AZURE)

- Architected and deployed an end-to-end cloud data engineering pipeline using Azure Data Factory, Azure Databricks, ADLS Gen2, PySpark, and Delta Lake, implementing ETL workflows to ingest and process structured datasets (Bronze/Silver/Gold architecture).

CERTIFICATIONS

- Analyzing and Visualizing Data with Microsoft Power BI
- Oracle Database Design