Benarjee Chowdary Nalluri

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PROFESSIONAL SUMMARY

Computer Science and Engineering student specializing in **Artificial Intelligence and Machine Learning**, skilled in **SQL, Excel, Power BI, Python**, with hands-on experience through academic projects. Proficient in **data cleaning, visualization, and reporting**, backed by strong problem-solving, teamwork, and communication skills to support effective decision-making.

EDUCATION

Vasireddy Venkatadri Institute of Technology   **Guntur, India**
Bachelor of Technology in Computer Science and Engineering (AI and ML)   *Nov 2021 – Apr 2025*

EXPERIENCE

Feynn Labs   **Remote**
Machine Learning and Data Science Intern   *May 2025 – Jul 2025*

- **Performed market segmentation** on an **EV dataset** with **7+ variables** using **K-Means clustering,** applying **PCA** to reduce feature space by **60%** while retaining **95% variance,** improving model efficiency.
- **Conducted data preprocessing** (scaling, encoding, missing value handling), determined optimal clusters using the **elbow method,** and visualized results via **PCA scatter plots.**
- **Engineered a crop recommendation system** using **Random Forest Classifier** based on **10+ climatic parameters** (temperature, rainfall, humidity, soil type), achieving **92% prediction accuracy.**

PROJECTS

Hospital Management Dashboard | *Excel, PowerBI, Python (Pandas,NumPy), Data Visualisation* ⍟GitHub

- Engineered an interactive dashboard integrating data from **2,500+ patients** and **10 departments**, utilizing **advanced Excel** and **data modeling** techniques across **3+ datasets** to automate KPI analysis and deliver insights on **bed occupancy (65%)** and **treatment cost ($372K+)** for hospital decision-makers.
- Developed Power BI visualizations (bar, line, pie charts) that highlighted **department-wise cost drivers**, city trends, and monthly patient admissions, supporting **strategic resource allocation** and improved healthcare operational transparency.

Uber Ride Analysis | *Excel, SQL, PowerBI* ⍟GitHub

- Executed robust **ETL** and **Data Cleansing** on a **100,000+ row** dataset using **SQL** and **Power Query**, performing accurate **data imputation** for **null values** (e.g., in 'booking_value' and 'ride_distance') leveraging calculated column averages to ensure data integrity.
- Conducted strategic analysis and developed a high-impact **Power BI dashboard** with advanced **data modeling** and **DAX**, incorporating **bar charts**, **slicers**, and **KPI cards** to enhance **data-driven decision-making**, highlighting key metrics such as **Top 10 revenue locations** and **highest Vehicle To Arrival Time (VTAT)**.

Stock Price Analysis (Apple, Google, Meta) | *Power Query, Power BI, SQL, DAX* ⍟GitHub

- **Developed a dynamic Power BI dashboard** that visualized key performance indicators and historical stock price trends for Apple, Google, and Meta, utilizing interactive slicers to analyze over **5 years** of data, including a peak average trading volume of **172M shares**.
- **Engineered advanced DAX-driven reports** using custom measures to track average open (**395**), close (**396**), high (**400**), low (**391**), and adjusted close (**394**) prices, enabling stakeholders to identify that **Meta led in stock prices**, particularly during the **2021 market upswing**.

TECHNICAL SKILLS

Languages: Python, R, Java
Excel: VLOOKUP, XLOOKUP, Pivot Table, Power Pivot, Conditional Formatting, Data Validation
SQL: Joins, Aggregate Functions, Windows Functions, GroupBy, SubQueries
PowerBI: Visualisations(Charts, Slicers, Graphs), PowerQuery, ToolTip, Dashboards, DAX
Libraries: Numpy, Pandas, Matplotlib, Sci-kit learn,Seaborn
Databases: MySQL, MS SQL Server
Core CS Concepts: Statistics,Data Structures and Algorithms, Operating Systems, Database Management Systems, Complexity Analysis, Problem Solving
Technologies: Artificial Intelligence, Machine Learning, Deep Learning, Natural Language Processing,Big Query