BARRE NAGENDRA BABU

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OBJECTIVE

I am passionate about "DATA SCIENCE and AI" and proficient in Python, Sql, Excel, Power BI. I have experience with various libraries such as Numpy, Pandas, Matplotlib, and seaborn. and transforming data into insights that help businesses make informed decisions. With a strong background in data analysis, exploratory data analysis, data visualization, data cleaning and data manipulation. Additionally, I have a strong mathematical foundation, including algebra, calculus, probability and statastics. I thrive in environments where I can solve complex challenges using data. Currently pursuing my undergraduate degree in Computer Science and Engineering with a specialization in Artificial Intelligence and Machine Learning at pragati engineering college, surampalem.

EDUCATION

Bachelor of Technology in CSE(Artificial Intelligence & Machine Learning)   Expected 2027
Pragati Engineering College   Kakinada, India
current CGPA: 8.02

Intermediate(MPC)   2021 - 2023
Sri Chaitanya Junior College   Amalapuram, India
Percentage: 96.9%

SKILLS

Programming Languages:	Python, Java
Libraries:	Numpy, Pandas, Matplotlib, Seaborn
Data Visualization & BI Tools:	Power BI, Tableau
Databases & Querying:	SQL, MongoDB
Version Control & collaboration:	Git, GitHub
Productivity & Office Tools:	Excel, MS Office

EXPERIENCE

Data Science Master Virtual Internship   Oct 2024 - Dec 2024(3 Months)
Altair(Organized by AICTE)   *Online*

- **Built and optimized multiple data analysis workflows**, cleaning and transforming large datasets to extract meaningful insights, overcoming challenges in handling inconsistent and missing data through advanced preprocessing techniques in Python and SQL.
- **Developed interactive dashboards in Power BI** for business reporting, resolving performance issues caused by large data models by implementing data aggregation and optimizing DAX queries..
- **Performed exploratory data analysis (EDA) using Pandas, Matplotlib, and Seaborn**, tackling challenges with unstructured data formats by designing custom parsers and automation scripts to streamline analysis.

PROJECTS

personal Portfolio Website

- **Technologies Used:** HTML, CSS, JavaScript, GitHub.
- **Challenges Faced:** in designing a clean, user-friendly UI while ensuring responsiveness across devices. Overcame this by applying modern layout techniques (Flexbox, CSS Grid) and consistently testing the design on various screen sizes.
- **Integrated Dynamic Sections:** such as coding profiles (LeetCode, HackerRank, etc.), interactive project previews, certification displays, and a contact form using HTML/CSS and basic JavaScript, enhancing user engagement and navigation.

E-commerce Sales & Customer Behavior Analysis

- **Technologies Used:** Python (Pandas, NumPy, Matplotlib, Seaborn), SQL, Power BI, Excel, Statistics & Probability for trend analysis.
- **Challenges Faced:** Dealt with messy, incomplete, and multi-source data; optimized slow Power BI dashboards by pre-aggregating data in SQL and streamlining DAX queries.
- **Key Achievement:** Delivered actionable insights on top-selling products, regional sales trends, and customer purchase behavior, enabling data-driven decision-making

CERTIFICATIONS

- **Google** Certified : Google Data Analytics professional certification
- **Guvi** Certified : Python Zero to Hero

PORTFOLIO

To explore more on my projects please visit : https://nagendrabarre.github.io/nagendra.github.io/

LANGUAGES KNOWN

- **English**
- **Telugu**