

# 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 statistics. 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

<b>Bachelor of Technology in CSE(Artificial Intelligence &amp; Machine Learning)</b> Pragati Engineering College current CGPA: 8.02	Expected 2027 Kakinada, India
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<b>Intermediate(MPC)</b> Sri Chaitanya Junior College Percentage: 96.9%	2021 - 2023 Amalapuram, India
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## SKILLS

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

## EXPERIENCE

<b>Data Science Master Virtual Internship</b> Altair(Organized by AICTE)	Oct 2024 - Dec 2024(3 Months) <i>Online</i>
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- **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

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

## PORTFOLIO

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To explore more on my projects please visit : <https://nagendrabarre.github.io/portfolio.io-repo/>

## LANGUAGES KNOWN

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