DAMARLA SUPRAJA

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Education

Bapatla Engineering College **Apr 2020 – May 2024**
B.Tech in Data Science, CGPA: 9.12/10.0 *Bapatla, AP*
Courses: Python, Machine Learning, Data Science, Data Mining, NLP, Statistics, Algorithms, etc.

SriMedhavi Junior College **Jun 2018 – Mar 2020**
Intermediate, CGPA: 9.67/10.0 *Chirala, AP*
Courses: Mathematics, Chemistry, Physics

Technical Skills

Languages: Python, SQL
Frameworks: Flask
Cloud/Big Data: AWS (Basic), Spark, Hive (Basic)
Data Warehousing: ETL, Data warehousing fundamentals
Excel: Pivot Tables, VLOOKUP,HLOOKUP,XLOOKUP, Power Query, Data Analysis, Validation,Visualization
Databases: MySQL
Tools: Power BI, Visual Studio, Jupyter Notebook
Version Control: Git, GitHub
Machine Learning: EDA, Feature Engineering, Model Tuning, Classification, Regression, Clustering, Reinforcement Learning, Dimensionality Reduction
Deep Learning: ANN, CNN, ARIMA
Visualization Manipulation: Pandas, NumPy, Matplotlib, Seaborn
Operating System: Windows

Experience

Datamites **Jul 2024 – Feb 2025**
Data Science Intern *Bangalore*

- Built an end-to-end Freight Management Analytics project integrating Python, SQL, and Power BI to help a logistics company reduce operational fuel costs.
- Conducted data cleaning, transformation, and KPI extraction (fuel efficiency, maintenance costs, net revenue by city); developed an interactive Power BI dashboard with slicers and geo-analysis.
- Built a comprehensive Power BI dashboard integrating multiple visuals: bar charts, treemaps, maps, gauges, and trend lines.Conducted driver-level fuel analysis to identify inefficiencies. Discovered that addressing 3 key drivers' behavior could cut fuel costs by 15%.
- Project Link: Click here

Football Game Stats Analysis using SQL

- Imported multiple CSV files containing football game data into MySQL and created structured tables to organize information about teams, players, game scores, and defensive stats.
- Analyzed team performance and identified the top 3 teams that allowed the most total opponent points when playing home games, giving insight into home defense weaknesses.
- Filtered and analyzed the dataset to discover that 14 teams played on artificial turf during the 2008 season, providing a look at field surface trends across the league.
- Summarized key stats like total points allowed, tackles, and sacks to get a big-picture view of team defenses.
- Project Link: Click here

Projects

Blinkit Sales Analysis Using Excel **Jan 2025 - Feb 2025**

- Developed an interactive Excel dashboard to analyze Blinkit's sales data, providing real-time insights into sales trends, product performance, and regional distribution. Utilized PivotTables, slicers, charts, and conditional formatting to enhance data visualization and interactivity

* Sales peaked during evening and late-night hours, indicating strong demand for instant deliveries and midnight cravings. Snacks, dairy products, and beverages were the most purchased categories, showing a preference for quick essentials.
* A majority of orders fell in the 200-500 range, reflecting typical consumer spending on grocery essentials. Seasonal trends impacted sales, with increased demand for cold beverages in summer and hot drinks in winter..
* Excel (PivotTables, Charts, Slicers) Power Query, Data Validation, Conditional Formatting.
* Project Link: Click here

Web Scraping and Text Data Structuring using Python **Nov 2024**

* Designed and implemented a web scraping script using Python and BeautifulSoup to extract inspirational quotes, authors, and thematic tags from a public website.
* Transformed unstructured HTML data into a clean and structured Pandas DataFrame, enabling further analysis or storage.
* Applied data cleaning and parsing techniques to prepare the data for analytical use, demonstrating automation in data acquisition Key Skills: Web Scraping, Data Cleaning, Text Parsing, Python, DataFrame Manipulation
* Project Link: Click here

Amazon Sales Analysis Dashboard Using PowerBI **Jan 2024**

* Designed and developed an interactive sales analysis dashboard in Power BI to provide actionable insights into Amazon sales data, focusing on trends, product performance, and customer behavior. Created dynamic charts, graphs, and visual reports to allow users to interact with data, enabling in-depth exploration of sales patterns and business performance.
* Leveraged Power BI's real-time reporting features to monitor and analyze changing sales trends, empowering business teams to make data-driven decisions quickly, offering a seamless experience for stakeholders to drill down into key metrics and insights.
* Used Power BI for data visualization and reporting, ensuring the integration of real-time updates and interactive elements for maximum user engagement
* Project Link: Click here

Achievements and Certifications

* Certified Data Scientist - IABAC
* Certified Data Scientist - NASSCOMM
* Data:Data everywhere - COURSERA
* SQL for Data Science - Mindluster
* Awarded for securing B.Tech Honors Degree by achieving CGPA 8+ in 2024.