# PRASAD MENNULI

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https://github.com/mennuliprasad-lab

## Education

**Sri Venkateswara College of Engineering and Technology, Chittoor**                    **2022 – 2024**
*Master of Computer Applications (MCA) — 82%*                                *Chittoor, Andhra Pradesh*

## Relevant Coursework

- Python Programming
- Statistics for Data Science
- Exploratory Data
- Analysis
- Linear Algebra
- Machine Learning
- Deep Learning
- SQL & NoSQL Databases
- Artificial Intelligence
- Power Bi
- Computer Vision
- Gen Ai

## Work Experience

**Data Science Trainee — Project-Based Experience**                              **May 2025 – Jan 2026**
*Innomatics Research Labs*                                        *Hyderabad, India*
- Completed an intensive full-time Data Science program covering Python, SQL, Statistics, Exploratory Data Analysis (EDA), Machine Learning, and Power BI.
- Performed end-to-end data analysis including data cleaning, preprocessing, visualization, and feature engineering on real-world datasets.
- Developed industry-level projects such as BikeWale web scraping and EDA, SQL-based Music Store analysis, and interactive Power BI dashboards.
- Collaborated with mentors and peers to solve business case studies, apply analytical thinking, and present data-driven insights.

## Projects

**BikeWale Web Scraping & Exploratory Data Analysis** | *Python, BeautifulSoup,Pandas,NumPy,Seaborn,Matplotlib*
- Scraped and processed **900+** bike records from BikeWale using Python, BeautifulSoup, and Pandas.
- Cleaned and transformed raw data into a **100% analysis-ready dataset**, reducing preprocessing time by **40%**.
- Identified pricing patterns across **30+ brands**, uncovering insights on mileage, performance, and engine variations.
- Created **15+** visualizations (heatmaps, boxplots, scatterplots) to highlight CC–BHP–mileage relationships.

**Music Store Data Analysis** | *MySQL, JOINs, Window Functions, Aggregations*
- Analyzed a relational database containing tracks, albums, artists, genres, invoices, and customer data.
- Wrote **30+ optimized SQL queries** using JOINs, CTEs, and Window Functions to extract business insights.
- Identified **top-selling genres**, highest revenue-generating artists, and customer purchase trends.
- Generated insights to support **targeted marketing strategies** and customer segmentation.

**Bank Transaction Analysis Dashboard** | *Power BI, DAX, Power Query, Data Modeling*
- Designed an interactive Power BI dashboard to analyze customer demographics, transactions, and account balances.
- Built key KPIs including **Total Revenue, Average Transaction Amount, Credit Score, and Risk Indicators**.
- Performed customer segmentation (New, Loyal, Lost, High-Risk) using **DAX measures and RFM analysis**.
- Delivered actionable insights on spending behavior, risk levels, and profitability to support data-driven decisions.

## Technical Skills

**Programming Languages**: Python, SQL
**Data Science**: Pandas, NumPy, Matplotlib, Seaborn, Scikit-Learn, BeautifulSoup
**Databases**: SQL
**Business Intelligence**: Power BI, DAX, Power Query
**Developer Tools**: VS Code, Jupyter Notebook, Git, GitHub
**Other Skills**: Data Cleaning, EDA, Web Scraping, Dashboarding

## Certifications

- Data Analytics and Visualization – Innomatics Research Labs
- Python, SQL, and Power BI – Innomatics Research Labs

## Languages

- English                    Telugu