

SIVA SANKAR KOMMERLA

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Education

B-Tech / Computer Science & Engineering,
Tadipatri Engineering College
2018 – 2022 | Anantpur, India

Skills

Python (Numpy, Pandas, Matplotlib, Seaborn, Selenium, Beautiful Soup, Request) | **Machine Learning** (Scikit-Learn) | **AI**

Courses

Data Science, *Innomatics Research Labs*
October 2023 – present
Hyderabad, India

Certificates

- Exploratory Data Analysis from Innomatics Research Labs
- Advanced Data Analysis Intern from Innomatics Research Labs
- Data Analytics Hackathon on IPL Dataset - Participated in a 5-hour data analytics hackathon focused on IPL datasets at Innomatics Research Labs on November 25, 2023

Interests

Blogging Tech on Medium

Professional Experience

Data Science Intern

January 2024 – March 2024 | Hyderabad, India

Roles and Responsibilities:

- Led initiatives resulting in a 60% improvement in real-time data processing efficiency, utilizing **Python**, **Pandas** (60%) and **NumPy** (30%).
- Specialized in Pandas for structured data manipulation, ensuring well organized datasets.
- Leveraged **Python**, **NumPy**, **Pandas**, **Matplotlib**, and **Seaborn** for insightful.

Projects

Customer Churn Prediction, Machine Learning Project

- Achieved **80% accuracy** in predicting customer churn using demographics, usage patterns, billing history, and service interactions.
- Handled data preparation, including missing values, feature transformation, and pre-processing pipeline creation.
- Evaluated models and recommended the **Logistic Regressor** for best performance.

ANALYSIS ON AIR FARE'S & INDUSTRY TRENDS, EDA Project

- Data Analysis Tools: Use **NumPy**, **Pandas**, **Regex**, **Beautiful Soup**, **seaborn**, and **matplotlib** for flight data analysis (price, departure times, emissions, cabin class).
- Compare prices, be flexible with dates, consider nearby airports, set price drop notifications, use rewards points, and evaluate layovers.
- Balance cost with departure times, layovers, and cabin class preferences for informed decisions by both travelers and airlines.

ADIDAS SALES US DATA, Power BI Project

- Optimized data visualization through strategic use of BI tools.
- Achieved a **20%** increase in efficiency by extracting valuable insights during the data ETL process.
- Proficiently utilized **Power BI**, **DAX**, and **Power Query** for advanced data analysis.
- Collaborated with cross-functional teams to seamlessly integrate BI solutions into existing workflows.
- Ensured data accuracy and maintained high standards of quality throughout the ETL process.

Library Management, SQL Project

- Designed & implemented 7 library database tables.
- Ensured data integrity with precise constraints.
- Meticulously imported & validated CSV data.
- Employed various joins in targeted SQL queries for insights.