

Muniasamy K

Data Science & Analytics

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OBJECTIVE

Aspiring Data Analyst with practical experience in Python, SQL, and Power BI. Skilled in data visualization and predictive modeling, with a strong focus on driving insights and supporting business growth. Adaptable and eager to learn in dynamic, data-driven environments.

TECHNICAL SKILLS

- | | | | |
|------------|----------|--------------------|--------------|
| • Python | • Excel | • Matplotlib | • TensorFlow |
| • Power BI | • Pandas | • Machine Learning | • My SQL |
| • SQL | • Numpy | • Tableau | • GitHub |

INTERNSHIPS

Data Analytics Intern - Hyper Launch

- Performed data cleaning, preprocessing, and transformation using Python (Pandas, NumPy) for internal datasets.
- Created interactive dashboards in Power BI to track KPIs, user metrics, and sales performance, improving visibility for decision-makers.

Project : IPL Data Analysis - Power BI, SQL and House Price Prediction - Python, Machine Learning, MYSQL.

- Analyzed historical IPL match data to visualize player performance, winning teams, and team strategies.
- Created Power BI dashboards with filters for season, teams, and player-specific metrics.
- GitHub - https://github.com/muniasamyk/Data_Analysis_IPL_Project

Full Stack Python Developer Intern - Shiash info tech

Project : Ambulance Detection - Python, Machine learning, Image processing, MySQL.

- Successfully detected ambulances with high accuracy in varied lighting and traffic conditions.
- Demonstrated potential for integration with smart traffic systems for emergency response optimization.

PROJECTS

Smart Crop Prediction and E-Trading

Tools : Python, Machine Learning, Pandas, NumPy, MySQL, GitHub, Flask.

- Developed a machine learning-based web platform to recommend suitable crops based on soil and weather conditions, and enabled secure online trading of agricultural products.

HR Data Analysis

Tools : Python, Machine Learning, Pandas, MySQL.

- Analyzed employee data to uncover insights related to workforce trends, performance, attrition, and retention to support HR decision-making.

EDUCATION

B.Tech in Information Technology | 81% | St. Joseph College of Engineering | 2020 – 2024

HSC | 65% | SHN Edward Higher Secondary School | 2020

SSLC | 87% | SHN Edward Higher Secondary School | 2018

CERTIFICATIONS

Data Science & Analytics - Hyper Launch

- Learned data visualization using Power BI, Tableau, statistical analysis and Database like SQL, and predictive modeling using Python libraries like Pandas, NumPy, and Matplotlib.

Python Full Stack Developement - Shiash Info Tech

- Gained expertise in Python, Django, MySQL, Pandas.

Python - Basent Technology

- Mastered Python fundamentals, object-oriented programming, and Learned Pandas, Numpy.