Muhammed Souban

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Summary

Transforming data into insights, and insights into impact. As a detail-driven data analyst with a Bcom in Computer Application degree, I am passionate about Data Science, Python, Data Analytics, Power BI, SQL, AI, ML and Deep Learning - always eager to learn, build, and innovate with data. I aim to turn complex data into meaningful insights that drive smart decisions. I enjoy solving real-world problems through data-driven approaches and intelligent automation. Constantly exploring new technologies to improve performance, accuracy, and efficiency.

Technical Skills

- **Languages**: Python, SQL
- **Frameworks**: Pandas, Numpy , Matplotlib ,Seaborn
- **Tools**: Power BI, Google colab, GIT, Excel, MySQL,
- **Platforms**: Windows, GitHub
- **Soft Skills**: Problem-solving, Analytical thinking, Team collaboration, Communication, Continuous learning

Experience

Data Science InternApr 2025 – Oct 2025 Luminar Technolab, Kochi, Kerala During my internship at Luminar Technolab, I gained hands-on experience in **Data Science**, **Machine Learning**, **Deep Learning**, **Python**, **SQL**, and **Power BI**. I worked on multiple projects that enhanced my analytical thinking, problem-solving, and data visualization skills.

PROJECTS

Crop Yield Prediction Dashboard (Python, SQL, Power BI)

A data-driven dashboard for agricultural productivity forecasting

Developed a machine learning-based dashboard to predict crop yield using historical weather, rainfall, and soil condition data. Integrated SQL for efficient data storage and querying, and used Python for data cleaning, preprocessing, and model building. Visualized predictive results and key performance indicators in Power BI to help farmers and policymakers make informed decisions.

- Collected and processed agricultural datasets using SQL queries and Python (Pandas, NumPy).
- Built regression models to predict crop yield with 85% accuracy.
- Created Power BI dashboards for regional yield visualization and performance insights.

Football Match Outcome Prediction System (Python, Machine Learning, Power BI)

Predicting football match results based on team and player performance data

Designed a supervised ML model to predict match outcomes (Win/Draw/Loss) using historical team statistics and player metrics. Applied feature engineering and multiple algorithms to identify the most accurate predictor of team success. Enhanced sports analytics with visual dashboards and performance trend insights.

- Collected match and player data using SQL and public football datasets.
- Trained and tuned models using Logistic Regression, Random Forest, and XGBoost.
- Built interactive Power BI visualizations to track predictions and model accuracy.

Education

- **Mar Osthatheos College** Thrissur, Kerala
  Bachelor of commerce with Computer Application; GPA: 5.17 *July 2023 - June 2025*
  Courses: *Data Science with python,SQL,AI,ML,DL,Power BI*

Achievements

- Earned HackerRank Python (Intermediate) Certificate for demonstrating strong problem-solving and coding proficiency in Python.
- Completed Microsoft Power BI Data Analyst Badge showcasing skills in data visualization and dashboard creation
- Achieved SQL for Data Science Certificate (Coursera) validating ability to manage, query, and analyze datasets effectively.
- Received Google AI Essentials Certificate,demonstrating foundational knowledge of artificial intelligence and its real world applications