SANJAY MARIMUTHU

CONTACT

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in. Linkedin

○ GitHub

TECHNICAL SKILLS

Programming
Python, SQL

Databases
MySQL, SQLite, Oracle,

Data Visualization
Power BI, Tableau, Microsoft Excel, Streamlit

Machine Learning
Scikit-learn, Regression Model

Core Competencies
Problem Solving, Analytical Thinking, Statistical Analysis

INDUSTRIAL VISIT

Inker Robotic Solutions Pvt. Ltd.

(Sep 2023) – Gained exposure to robotics and industrial automation.

LANGUAGE

- English
  Proficient
- Tamil
  Native

PROFESSIONAL SUMMARY

Analytical and results-driven **Data Analyst** skilled in **Python, SQL, Power BI,** and **Machine Learning.** Experienced in data cleaning, visualization, and regression modeling to derive actionable insights. Passionate about using data to solve real-world problems and support data-driven decisions.

EDUCATION

(2023 -2027)
Kangeyam Institute of Technology
Bachelor of Technology in Artificial Intelligence and Data Science
CGPA: 6.39 (up to 4th semester)

Higher Secondary Certificate

Percentage : 69.5% | Year : 2023
Municipal Higher Secondary School

Secondary School Leaving Certificate
Percentage : All Pass | Year : 2021
Municipal Higher Secondary School

EXPERIENCE

Data Analyst (Internship)
Qaroo Learning India Private Limited
Duration: 15 days

- Collected, cleaned, and analyzed structured student datasets to identify academic performance patterns.
- Designed Power BI dashboards visualizing trends and KPIs for decision-making.
- Optimized SQL queries, improving data retrieval efficiency by 25%.
- Presented findings that guided early intervention strategies, improving retention.

Achievements
- Improved SQL efficiency by 25%.
- Build 3+ Power BI dashboards for key insights.
- Ensured 100% data accuracy.
- Automated reports, saving over 4 hours weekly.

PROJECTS

Academic Performance and Risk Indicators in College Students

Description:
- Predicted at-risk students using attendance and submission data.
- Built K-Means and Random Forest models to predict accident severity and identify contributing factors.
- Recommended an early-alert framework to improve retention.

Tools & Technologies:
Excel, SQL (SQLite), Power BI, Statistical Analysis

India Road Accident Analysis & Prediction System

Description:
- Analyzed road accident data to identify high-risk areas.
- Built K-Means and Random Forest models to predict accident severity.
- Developed interactive dashboards integrating predictive insights.

Tools & Technologies:
Python (Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn), MySQL, Power BI, Streamlit*

Interfolio AI Portfolio & Interview Chatbot

Description: (Ongoing)

Developed an AI chatbot enabling interactive portfolio exploration and interview Q&A using natural language.

Tools & Technologies:
React.js, Node.js, Express.js, OpenAI API, Axios, CSS

CERTIFICATIONS

- Introduction to Industry 4.0 and Industrial Automation – NPTEL
- Python Workshop – Srikara Training and Placement Academy
- Power BI Workshop – Office Master
- AI Tools Workshop – Be10x

DECLARATION

I hereby declare that the information furnished above is true and correct to the best of my knowledge and belief.