VIGNESH SARAN T

Hard Worker ,Firefighter

I'm a young and enthusiastic individual, motivated to work on team projects, enhance my data analysis skills, and contribute to organizational growth through actionable insights and collaborative efforts.

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📱 8870272324

🌐 vignesh-saran.github.io/portfolio/

github.com/vignesh-saran

EDUCATION

Bachelor of Engineering-Electronics And Communications Engineering
Saranathan College of Engineering

2020 - 2024   CGPA-8.2

Higher Secondary School
Akkv Aarunadu Matric Higher Secondary School

2020   Percentage: 74

Secondary School Leaving Certificate
Akkv Aarunadu Matric Higher Secondary School

2018   Percentage: 86

EXPERIENCE

Internship - Cognizant Artificial Intelligence Job Simulation on Forage - May 2024
Cognizant

Tasks

- Completed Cognizant's AI job simulation, performing data analysis using Python and Google Collab for Gala Groceries.
- Developed a Python module for model training and metrics output, and presented findings via PowerPoint to stakeholders.

CERTIFICATES

C Programming

C++ Programming

Java Spring Framework - Udemy

Python Programming - Udemy

Introduction to SQL - Simplilearn

SOFTWARE SKILLS

Frontend Development - HTML | CSS

DBMS - MySQL | MongoDB   PYTHON | JAVA - Opps

C ++ | c - Basics   Data Analysis - Power BI | Pandas

PROJECTS

Stock Market Prediction

- Developed a stock market prediction model to forecast stock prices using technical indicators (RSI, MACD, Bollinger Bands, volume) and LSTM networks.
- Engineered features, trained an LSTM model, and achieved an 80% accuracy rate, demonstrating the model's reliability in predicting future stock prices.

Sales insights using Power BI

- Created an interactive dashboard to help the sales team visualize real-time sales data and trends for better decision-making.
- Developed and iteratively improved the dashboard, providing key insights and leading to data-informed decisions with a potential revenue increase of at least 7% in the next quarter.

IOT based fire accident prevention using BMS in electric vehicles

- Developed an IoT-based system to enhance EV safety by monitoring battery parameters in real-time to prevent fire accidents.
- Designed and implemented a BMS with real-time data transmission, onboard diagnostics, and reduced potential fire incidents by 40%, enhancing overall EV safety.

PUBLICATIONS

Early Detection of Fire Accident in Electric Vehicle using Battery Management System.
International Journal of Multidisciplinary Research Transactions (IJMRT)

WORKSHOP

Workshop on Artificial Intelligence Of Things(AIOT) in IIT Madras