Swetha Nagarajan

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OBJECTIVE

Seeking a challenging position in a reputed organization where I can learn new skills, expand my knowledge, and leverage my learnings.

TECHNICAL SKILLS

- Programming languages – Python, C
- HTML / CSS
- JavaScript
- ReactJS
- SQL
- Salesforce Administration
- Salesforce Developer

PROJECT SUMMARY

An Early Warning Smart Healthcare Kit to Avoid Road Accidents

In this project, we designed a system that continuously tracks the driver's heartbeat rate and monitors their body temperature, ensuring their well-being. Additionally, our solution employs advanced algorithms to detect alcohol consumption during driving, promoting road safety. When necessary, the system can initiate preventive measures, significantly reducing the risk of accidents.

Role: Coding and Circuit Connection

Predictive Analysis For Efficient Resource Allocation In The Context Of Silicon Shortage

In this project, we harnessed the power of machine learning, specifically Random Forest and Hist Gradient algorithms, to accurately forecast silicon shortages. Automating this prediction process substantially lowered operational costs and minimized manual efforts. These foresights are conveniently visualized and accessible through a user-friendly web application with a responsive design.

Key Technologies Used: Frontend, Backend, Django Framework and Python Coding

PAPER PUBLICATION

An Early Warning Smart Healthcare Kit to Avoid Road Accidents

Presented at the 7th International Conference on Intelligent Computing and Control Systems (ICICCS 2023).

Link: https://ieeexplore.ieee.org/document/10142341

EDUCATION

Master of Computer Applications, 2023
CGPA – 7.71
Sona College of Technology, Salem.

Bachelor of Physics, 2021
CGPA – 7.65
Bharathiyar Arts & Science College for Women, Deviyakurichi.

CERTIFICATION

- Python
- HTML, JavaScript, and Bootstrap
- Salesforce Administration
- Salesforce Developer