Merfina NK

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Profile

To implement new processes and strategy in a growing organization to drive more growth. Also, to work in an environment which encourages me to succeed and grow professionally where I can utilize my skills and knowledge appropriately.

Skills

- HTML
- JavaScript
- CSS
- REACT JS (Pursuing)
- Bootstrap
- Material UI

Internship

I have participated in the Internship Training conducted at ALL INDIA RADIO, NAGERCOIL from 01/08/2022 to 05/08/2022. It was all about the works that were done in the radio station and the working of various departments in the radio station.

Projects

IBM-NAAN MUTHALVAN - INTELLIGENT GARBAGE CLASSIFICATION USING DEEP LEARNING
This project was about to classify the waste products based on whether they are plastic or metal or glass or paper. We use the DL technology to seperate the garbage wastes easily. The program has the dataset which consists of various images of plastic, glass, metal, and paper. We have generated code for detecting the images based on their classification.

FINAL YEAR PROJECT - REMOVAL OF FOREIGN AGENTS FROM SOLAR PANEL
This project was developed for the cleaning of solar panel. As the days goes by the solar panel is accumulated with lot's of dust and foreign particles which tends to reduce the power generated by the solar panel. Hence we proposed a solution of Polydimethylsiloxane (PDMS) and Silicon dioxide (SiO_2) nanocomposites mixed with Ethanol and Isopropanol. The proposed solution prevents the accumulation of dust particles and thus increase the lifetime of the solar panel.

Education

2020/09 – 2024/06	**B.E. (ECE)** *Ponjesly College of Engineering*	
2019/06 – 2020/05 Kattathurai	**HSE** *St. Michael's Matric. Hr. Sec. School*	
2017/06 – 2018/05 Kattathurai	**SSLC** *St. Michael's Matric. Hr. Sec. School*	