Keerthan

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Summary

Front-End Developer with experience in building dynamic, responsive web applications using HTML, CSS, JavaScript, TypeScript, and React.js. Skilled in state management with React hooks, performance optimization, and cross-functional collaboration. Passionate about creating scalable, user-centric solutions.

Education

Vivekananda Collegeof Engineering &Technology, Puttur Aug 2019 - Jun 2023
Bachelor of Engineering in Electronics and Communication Engineering ***CGPA:7.4/10***

Technical Skills

Languages: HTML, CSS, JavaScript, TypeScript, Python.
Tools & Frameworks: Git, GitHub, ReactJS.

CERTIFICATES

- Responsive Web Design
- Legacy Javascript Algorithms and Data Structures

INTERNSHIP EXPERIENCE :

Tech-gray Logicx
Domain : IoT and Embedded Systems Aug 2022 – Sep 2022
I have successfully completed my internship at Tech-GrayLogix, Mangalore on IOT and embedded Systems.

Work Experience

Swaradhya Neya Agi Pvt. Ltd. , Mangalore Aug 2023 – Jul 2024
Software Engineer Trainee

- Developed and maintained responsive, cross-browser compatible web applications using HTML, CSS, and JavaScript,Typescript,ReactJs.
- Optimized the performance of web pages, improving load times through code and asset optimizations.
- Utilized modern JavaScript frameworks (e.g., React) to build reusable components and improve scalability.
- Participated in code reviews and implemented best practices to ensure maintainability and code quality.

Project Work

Fully Automated Solar GrassCutter (2023)| Python, OpenCV, TensorFlow, Arduino:

- Designed and developed a solar-powered autonomous device to identify and cut unwanted weeds in agricultural fields, reducing reliance on manual labour and chemical herbicides.
- Integrated OpenCV for real-time image processing to detect weeds and distinguish them from crops using computer vision algorithms.
- Trained a custom machine learning model with TensorFlow to improve weed recognition accuracy, leveraging a dataset of 1,000+ labelled field images.
- Programmed Raspberry Pi to automate navigation, cutting mechanisms, and solar power management.