TARUN KARRTHICK R S

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A current engineering student seeking opportunities in a dynamic and challenging environment that fosters continuous improvement and learning. Motivated to contribute to organisation growth and personal development within the engineering industry.

SKILLS

- **Languages:** C++, Java , Javascript and Python (Basics), HTML, CSS , MySQL, MongoDB
- **Developer tools:** IDE (VS Code, Arduino idle, MPLAB idle) VCS (Github, Git, Code commit)
- **Web development tool:** Bootstrap, React, MERN Stack
- **Hardware:** Arduino, Esp32, PIC16F877A, Intel 8051
- **Libraries:** Flask, OpenCV, Numpy (basics)

EDUCATION

Bachelor of Engineering **Oct 2022 - Present**

- Sri Krishna College of Engineering and Technology
- Major in electronics and communication engineering
- CGPA - 8.51 (till 4th sem)

HSC **2022**

- Keartiman Matric. Hr. Sec. School
- Percentage : 93.17%

EXPERIENCE

Intern, MSME Technology Development Centre **Embedded Systems | June 2024 | Coimbatore**

- Worked with microcontrollers, focusing on embedded system design
- Developed firmware using MPLAB IDE, optimizing and debugging code online

Intern, Salzer Electronics Ltd Unit - II **Quality Control | July 2024 | Coimbatore**

- Observed switch and wire harness testing, contributing to quality assurance.
- Monitored machine loops and three-phase transformers to ensure compliance with standards

PROJECTS

Vision Cursor **Machine Learning**

- Developed a tool to control the mouse pointer using eye movements. Utilized OpenCV for eye detection and PyAutoGUI for cursor control and click simulation based on webcam input.

Fantasy Sports Platform **MERN Stack**

- Implemented user authentication, team selection, and updates using predefined data, featuring a responsive UI/UX and integration of third-party APIs for sports data.

Face Recognition Attendance System **Machine Learning**

- Developed a Face Recognition Attendance System using Python, OpenCV, and Machine learning, enabling real-time face detection, attendance marking in CSV format, and automated timestamp generation.