Hitesh Yuvaraj Chaudhari

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Objective

Motivated and adaptable undergraduate eager to **learn, grow, and contribute** in a professional environment. Eager to develop **new skills, take on challenges,** and add value through **dedication and a strong work ethic.**

Education

Vellore Institute of Technology, Vellore, India
Bachelor of Technology in Computer Science and Engineering   *2023 - 2027*
CGPA: 8.78

Aadharshila Vidyapeeth, Piatampura, New Delhi
Higher Secondary Certificate   *2022 – 2023*
Secondary School Certificate   *2020 - 2021*

Projects

3D Scanner | Arduino IDE-C/C++ , Meshlab

- Built a DIY 3D scanner using **Arduino Nano**, NEMA17 stepper motors, and an IR sensor.
- Programmed in **C/C++** to capture and process 3D point cloud data
- Converted scans into STL files using **MeshLab** for 3D printing.

Mars Rover Prototype | Arduino IDE-C/C++

- Built a rocker-bogie robotic vehicle with **Arduino Uno C/C++.**
- Integrated **L298 motor driver Bluetooth control** for remote operation.
- Designed for enhanced stability and obstacle traversal.

Technologies

Languages: C, C++, Java, Python, JavaScript, Kotlin, HTML , CSS

Technologies: MySQL, VS Code, Android Studio,Arduino IDE, Xcode, PyCharm, GitHub

Frameworks Libraries: React, Pandas, NumPy

3D Processing Tools: MeshLab

Soft Skills

- Strong **communication** and **teamwork** skills.
- Excellent **problem-solving** and **time management**.

Certifications

Mastering Data Structures & Algorithms using C and C++ – Udemy

- Covered key data structures, algorithms, and problem-solving using C and C++.