HARSH INGLE

ingleharsh24@gmail.com | +91 8827536468

EDUCATION

Bachelor Degree   **OCT 2022 - Present**

Vellore Institute of Technology Bhopal
- B.Tech Aerospace Engineering
- CGPA: 8.23

12th Class Qualification   **2020-2021**

Rajeshwar Hr. Sec School Mhow
- Percentage : 79%

WORK EXPERIENCE

VLSI Design Internship   **JAN 2025 - MAR 2025**
- Studied digital circuit design fundamentals, RTL coding in Verilog, simulation and synthesis, and gained hands-on experience with EDA tools for ASIC/FPGA design. Familiar with basic layout principles and design verification techniques.

Embedded System Design Internship   **Jan 2025 - MAR 2025**
- Experienced in microcontroller programming, sensor interfacing, and real-time system integration. Developed embedded applications using Arduino and ARM platforms, implemented UART, I2C, SPI protocols, and optimized code for performance and reliability.

PROJECTS

Prosthetic Hand   **FEB 2024 - Present**
- A fully functional artificial hand has been developed for individuals with limb loss. The process began with creating a 3D model of the fingers using CAD software, with each finger designed to be operated by tendons and actuators. To date, full hand have been successfully fabricated and connected to DC motors to control their movement.

B-DOT (Bug defense ornithopter)   **JUL 2024 - Present**
- Designed a flapping-wing micro aerial vehicle (MAV) using biomimicry to replicate insect flight for silent, agile, and stealthy navigation. Focused on enhancing maneuverability and covert capabilities for surveillance and defense applications.

KEY SKILLS

- Basic of JAVA language
- CAD modeling
- Aircraft Performance
- Problem solving.
- Basic of Machine and mechanics theory
- Embedded C

CERTIFICATIONS

- Engineering Project Management : Scope, Time and Cost Management.
- NPTEL : Aircraft Design
- MathWorks training service :Matlab Onramp course
- Vityarthi : fundamental of AI and ML