Tanu Tomar

Phone: +91 6262079956| Email: tomartanu2507@gmail.com | https://github.com/tomartanu

Education

VIT Bhopal University   **Bhopal, Madhya Pradesh**
BTech ECE (AI and Cybernetics)   Expected June 2026
Cumulative GPA: 9.27/10

Govt. Excellence Higher Secondary school   **Vidisha, Madhya Pradesh**
12th Standard   May 2022
MP Board Cumulative percentage: 93.4%

Govt. Excellence Higher Secondary school   **Vidisha, Madhya Pradesh**
10th Standard   May 2020
MP Board Cumulative percentage: 97.7%

Technical Skills and Tools

C++, C, Embedded Systems, LTspice, Proteus

Projects

Smart Parking System – ParkEase   **Sept 2024-March 2025**
- Description: Created ParkEase, a smart parking system using CCTV, Raspberry Pi, and OpenCV for real-time space identification, live availability tracking, and pre-booking through a mobile application.
- Technology: OpenCV,Python
- Role: Hardware integration.
- Link: https://github.com/tomartanu/ParkEase-Smart-Parking-System.git

Sign Language to speech conversion System   **Feb 2024 – May 2024**
- Description: Created a system that translates sign language to text and speech, facilitating easy communication between deaf/mute people and non-sign language users.
- Technology: Arduino IDE, C.
- Role: Hardware integration and code the system.
- Link: https://github.com/tomartanu/Sign-language-to-speech-convergence.git

Plant Health Monitoring System   **Aug 2023 – Nov 2023**
- Description: Engineered an automated plant monitoring system to transform smart agriculture with real-time information and optimized care.
- Technology: C, Arduino IDE.
- Role: Programming, integrated sensors.
- Link: https://github.com/tomartanu/Plant-Health-Monitoring-System.git

Experience

Embedded System Design Internship-Maven Silicon   **Jan 2025-March 2025**
- Developed embedded firmware and hardware interfacing for a home automation project.
- Improved skill level in microcontroller-based system design and embedded programming.
- Link- https://drive.google.com/file/d/1t-McyhkqriUOMuVRVBBfGETFdGaP1slq/view?usp=sharing

Extracurricular Activities

- Participated in Viksit Bharat Young Leaders Dialogue (2024) and Google Girl Hackathon (2025).
- Volunteered for attending the ANRF-sponsored National Symposium on Innovations in Intelligent Systems (Feb 2024).
- Worked as a team member in the ROBOX event at AdVITya 24.

Achievements

- Awarded with Dreamed STAR Scholarship from VIT Bhopal.
- Secured first position in district merit in class 12th and awarded a Laptop by the Honorable District Collector.
- Awarded by Vigyan Jyoti Scholarship.

Additional Information

Languages: Hindi, English
Hobbies: Playing Badminton, Dancing