



## Tanu Tomar

**Technical Skills:** C++ (DSA), Embedded C, MATLAB, HTML, CSS, JavaScript

**Certification:**

- Applied Machine Learning in Python (Dec 2023)
- MATLAB Fundamentals, Machine Learning with MATLAB, Signal Processing Onramp

Registration Number:22BAC10023

Email:tanutomar2022@vitbhopal.ac.in

Phone: +91 6262079956

<https://www.linkedin.com/in/tanutomar25/>

<https://github.com/tomartanu>

<https://www.geeksforgeeks.org/user/tanutomar/>

### EDUCATION

Board	Tenure	Educational institution	CGPA/Percentage
B. Tech (ECE)	June 2022 Ongoing	Vellore Institute of Technology, Bhopal	9.14/10
Class XII	March 2022	Govt. Excellence H.S. school Vidisha	93.4%
Class X	March 2020	Govt. Excellence H.S. school Vidisha	97.7%

### ACADEMIC PROJECTS

Hardware Based	<b>Sign language to Speech Conversion System (Feb 2024 - May 2024)</b> <ul style="list-style-type: none"><li>-Description: Designed a cutting-edge system that converted sign language gestures into sounds to assist in closing the communication gap for the deaf and hard-of-hearing population.</li><li>-Technology: Arduino IDE, C++</li><li>-Role: Coded the system for gesture-to-speech conversion in real time.</li><li>-Link: <a href="https://github.com/tomartanu/Sign-language-to-speech-convergence.git">https://github.com/tomartanu/Sign-language-to-speech-convergence.git</a></li></ul>
	<b>Plant Health Monitoring System (Aug 2023 - Nov 2023)</b> <ul style="list-style-type: none"><li>-Description: Created an Arduino-based automated plant care and environmental monitoring system for smart agriculture.</li><li>-Technology: Arduino IDE, C++.</li><li>-Role: Integrate sensors, and programmed the system.</li><li>-Link: <a href="https://github.com/tomartanu/Plant-Health-Monitoring-System.git">https://github.com/tomartanu/Plant-Health-Monitoring-System.git</a></li></ul>
Software Based	<b>ChatBot (Jan 2024 - Feb 2024)</b> <ul style="list-style-type: none"><li>-Description: Built a responsive chatbot that responds to users by providing pre-responses based on a predefined dataset.</li><li>-Technology: HTML, CSS, JavaScript</li><li>-Role: created the entire chatbot interface and functionality.</li><li>-Link: <a href="https://github.com/tomartanu/ChatBot.git">https://github.com/tomartanu/ChatBot.git</a></li></ul>

### EXPERIENCE

Externship	<b>Embedded System Design Internship (Jan 2025-March 2025)</b> <ul style="list-style-type: none"><li>-Developed embedded firmware and hardware interfacing for a home automation project.</li><li>-Improved skill level in microcontroller-based system design and embedded programming.</li><li>-Link- <a href="https://drive.google.com/file/d/1t-McyhkqriUOMuVRVBbfGETFdGaPlslq/view?usp=sharing">https://drive.google.com/file/d/1t-McyhkqriUOMuVRVBbfGETFdGaPlslq/view?usp=sharing</a></li></ul>
------------	---

### CO-CURRICULARS

Coding	-Solved 300+ problems on GeeksforGeeks, 100+ problems on Leetcode in C++
--------	--

### EXTRACURRICULARS AND ACHIEVEMENTS

Achievements	-Awarded with Dreamed <b>STAR Scholarship</b> from VIT Bhopal. -Secured first position in district in class 12 <sup>th</sup> and awarded a Laptop By the Honorable District Collector. -Awarded by <b>Vigyan Jyoti</b> Scholarship
Responsibilities	-Team Member of EV Club, VIT Bhopal.
Extracurricular	-Worked as a team member in the ROBOX event at AdvITYa 24 -Volunteered for attending the ANRF-sponsored National Symposium on Innovations in Intelligent Systems at VIT Bhopal (Feb 2024). -Participated in Viksit Bharat Young Leaders Dialogue (2025) and Google Girl Hackathon (2025).

### ADDITIONAL INFORMATION

Hobbies	-Playing Badminton, Dancing
Languages	-English, Hindi