



Ayush Billore

Registration Number:- 22BEC10022

Email:- ayushbillore121@gmail.com

Phone Number:- 9302872232

<https://www.linkedin.com/in/ayush-billore-aab49251/>

<https://github.com/ayushBillore>

Technical Skills:- Java, C, MATLAB, Embedded C, Embedded System, IOT, LT Spice.

Certifications:- Applied Machine Learning in Python by Coursera, Alison Introduction to Electronic Sensor, MATLAB Signal Processing, MATLAB Image processing, MATLAB Computer Vision.

EDUCATION			
Board	Tenure	Educational institution	CGPA/Percentage
B. Tech (ECE)	Oct 2022 –Ongoing	VIT Bhopal University	8.97/10
Class XII	May 2022	LNP Govt. Higher Secondary School,Harda	94.0%
Class X	July 2020	LNP Govt. Higher Secondary School,Harda	96.5%

ACADEMIC PROJECTS	
Embedded Systems & Web Development	Rapid Rescue with Smart Ambulance (July 2024 – Ongoing) -Description:- Creating a Web application and a smart IoT Device, provide services to patients at highly emergency situations and also provide a smart navigation and traffic signal manipulation makes an ambulance a smart ambulance. -Technology:- Raspberry PI, Esp32, GPS Module, C++, Blynk IOT, HTML, CSS. -Team Members:- 9 members -Role:- Integrating Hardware & Software, Sensor Fusion.
Embedded Systems & IOT	IOT Based Garbage level Monitoring System (August 2023) -Description:- An intelligent waste management system that uses IoT sensors to monitor garbage levels in real-time. It optimizes waste collection by notifying authorities when bins are full, improving efficiency and cleanliness. -Technology:-Ultrasonic Sensors, Ardiuno UNO, Esp 32,C++, Blynk IOT . -Team Members:- 2 members -Role:- Designed and implemented sensor integration and microcontroller programming.
Embedded Systems & IOT	Home Automation (April 2025) -Description:- Developed a smart home automation system using ESP32, integrating temperature, light, and ultrasonic sensors. Enabled real-time monitoring and remote control through Wi-Fi connectivity. -Technology:- ESP32, Ultrasonic, LDR, Temperature sensor, Fan,C++; -Team Members:- 6 members -Role:- Integrating Hardware & Sensor Fusion.

EXPERIENCE	
Externship	Embedded System Design Internship (April 2025) -Worked on a project “ Home Automation ”,focusing on designing and implementing embedded solutions. Improved skills in embedded system programming , including microcontroller interfacing and firmware development.

CO-CURRICULARS	
Coding	-Hacker Rank 5 Star in Python and java -300 + GFG Problems

EXTRA-CURRICULARS AND ACHIEVEMENTS	
Achievements	-Awarded with “STARS” Scheme scholarship by VIT Bhopal University, -Second place in district in 10th board -First place in district in 12th board
Responsibilities	-Active member of club Coding Blocks
Extracurricular	-Successfully completed 30 Days of Java Challenge in HackerRank -50 Days of Coding Challenge GFG. -51 Days of IOT DrGVishwanathan Challenge.

ADDITIONAL INFORMATION	
Hobbies	Watching and playing cricket, Playing Mobile Games
Languages	English, Hindi.