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## Ayush Billore

- **Technical Skills:** Java, C ,MATLAB , Embedded Systems and Programming ,IOT .
- **Certification:** Applied Machine Learning in Python . Matlab Signal Processing  
Matlab Image processing, Matlab Computer Vision. Alison Introduction to Electronic Sensor.

## 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

Internet Of Things (IOT)	<ul style="list-style-type: none"><li>▪ <b>Smart Bin, IOT BASED Garbage Monitoring System</b> (August 2023)<ul style="list-style-type: none"><li>○ Description:-Transforming waste disposal with cutting-edge technology, our Smart Bin system utilizes IoT to monitor and manage garbage levels, streamlining waste collection processes."</li><li>○ Technology:- IoT Sensors, Microcontrollers ,Cloud Platform, Embedded c.</li><li>○ Team Project:- 3 members</li><li>○ Role:-Hardware And Software connector.</li><li>○ <a href="https://github.com/ayushBillore/Smart-Bin-IOT-BASED-Garbage-Monitoring-System">https://github.com/ayushBillore/Smart-Bin-IOT-BASED-Garbage-Monitoring-System</a></li></ul></li></ul>
Embedded System	<ul style="list-style-type: none"><li>▪ <b>Smart Energy Meter</b> (May 2024)<ul style="list-style-type: none"><li>○ Description:- A smart energy meter that measures power consumption hourly and monitors frequency, under-voltage, and over-voltage conditions to ensure the safety of home appliances. It provides real-time alerts for abnormal voltage levels, helping to prevent potential damage and improve energy efficiency.</li><li>○ Technology:-Voltage and Current Sensors ,Ardiuno UNO, Basic Electronic Components(Registers, Opam, capacitors, octocopler)</li><li>○ Team Project:- 2 members</li><li>○ Role:-Arduino Programmer.</li><li>○ <a href="https://github.com/ayushBillore/Smart-energy-Meter">https://github.com/ayushBillore/Smart-energy-Meter</a></li></ul></li></ul>

## EXPERIENCE

Externship	<ul style="list-style-type: none"><li>▪ <b>Embedded System Design Internship (April 2025)</b><ul style="list-style-type: none"><li>○ Worked on a project “<b>Home Automation</b>”,focusing on designing and implementing embedded solutions.</li><li>○ Improved skills in <b>embedded system programming</b>, including microcontroller interfacing and firmware development.</li></ul></li></ul>
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## CO-CURRICULARS

Coding	<ul style="list-style-type: none"><li>▪ HackerRank 5 Star in Python and java</li><li>▪ 200 + GFG Problems</li></ul>
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## EXTRA-CURRICULARS AND ACHIEVEMENTS

Achievements	<ul style="list-style-type: none"><li>▪ Awarded with “STARS” Scheme scholarship by VIT Bhopal University,</li><li>▪ Second place in district in 10th board</li><li>▪ First place in district in 12th board</li></ul>
Responsibilities	<ul style="list-style-type: none"><li>▪ Active member of club Coding Blocks</li></ul>
Extracurricular	<ul style="list-style-type: none"><li>▪ Successfully completed 30 Days of Java Challenge in HackerRank</li><li>▪ 50 Days of Coding Challenge GFG.</li><li>▪ 51 Days of IOT DrGVishwanathan Challenge.</li></ul>

## ADDITIONAL INFORMATION

Hobbies	<ul style="list-style-type: none"><li>▪ Watching and playing cricket . Playing Mobile Games</li></ul>
Languages	<ul style="list-style-type: none"><li>▪ English, Hindi.</li></ul>