



Registration Number: 22BAC10026

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Sourabh Shrivastava

Technical Skills: Python, Embedded C, Computer vision, Java, Embedded System, MATLAB and Machine Learning

Certifications:

Python Essential Vityarthi Jan '23, Applied ML in python Coursera Dec'23, Image Processing MATLAB June'24, Signal Processing MATLAB Feb'24, MATLAB Onramp Jan'24.

EDUCATION

Board	Tenure	Educational institution	CGPA/Percentage
B. Tech ECE	Oct'22 -Ongoing	Vellore Institute of Technology, Bhopal	9.00/10
Class XII	May'22	School for Excellence Dewas (M.P)	93.00%
Class X	May'20	School for Excellence Dewas (M.P)	98.33%

ACADEMIC PROJECTS

Fruits and Vegetable Spoilage detection System (Sep'23- Nov'23)	<ul style="list-style-type: none">Description: Developed a system that utilizes the MQ2 gas sensor and Ultrasonic Sensor to detect methane levels, assessing fruit and vegetable spoilage in real-time. Promoting sustainability by reducing food waste.Technology: Embedded C, IOT sensors, Actuation system, Controllers and DriversRole: Hardware and software implementation
Gesture Control Electronics (Feb'24-May'24)	<ul style="list-style-type: none">Description: An automated system using Raspberry Pi 4B, a 5MP camera, and a 4-Relay module to control electronic devices with hand gestures. It uses Python libraries like Mediapipe and OpenCV for real-time gesture recognition, enabling easy and touchless control of lights, motors, and more.Technology: Python, IOT sensors, Drivers, Actuation system and ProcessorRole: Connect hardware with software

EXTERNSHIP

Maven Silicon	<ul style="list-style-type: none">Embedded Systems Intern (Jan'25 – Ongoing)Demonstrated applied proficiency with Arduino UNO Rev3, Raspberry Pi 3, and Node MCU boards Effectively integrated diverse sensors to gain knowledge of 3 Serial Communication protocols
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EXTRA-CURRICULARS AND ACHIEVEMENTS

Achievements	<ul style="list-style-type: none">Honoured with STARS Scheme at VIT Bhopal University for securing 2nd rank in the 12th class with 93.00% in the district, awarded with 100% scholarship. (Aug'22)Secured first position in district merit in class 10.Finalist in project expo industrial conclave VIT Bhopal. (Dec'24)
Responsibilities	<ul style="list-style-type: none">Active member of AI and AIEM clubVolunteered at a 2-day National Symposium on Innovations in Intelligent Systems sponsored by the Anusandhan National Research Foundation (ANRF), Govt. of India gained valuable experience. (Feb'25)
Extracurricular	<ul style="list-style-type: none">Solved 170+ problems in geeks for geeks

ADDITIONAL INFORMATION

Hobbies	Watching and playing Cricket, Singing
Languages	Hindi, English