Registration Number: 22BAC10026
Email: sourabhshrivastava2022@vitbhopal.ac.in
Phone: +91 8815356443
https://www.linkedin.com/in/sourabh-shrivastava-480b38251/
https://github.com/Sourabh5657

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	9.01/10
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)	• 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 Drivers • Role: Integrating hardware and software, Sensor fusion
Gesture Control Electronics (Feb'24-May'24)	• 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, Actuation system and Processor. • Role: Integrating hardware and software, Computer vison.

EXTERNSHIP

Maven Silicon	• Embedded Systems Intern (Jan'25 – April'25) • 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.

EXTRA-CURRICULARS AND ACHIEVEMENTS

Achievements	• 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	• Active member of AI and AIEM club • Volunteered 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	• Solved 250+ problems in geeks for geeks

ADDITIONAL INFORMATION

Hobbies	Watching and playing Cricket, Singing
Languages	Hindi, English