


## PAVIT SINGH NARANG

**Portfolio**-<https://pavit0512.github.io/Personal-Website/>

**Address:** 605 Sai Sampada, AB Road, Indore (MP)

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 pavit-singh-narang-08b64620a



### CAREER OBJECTIVE:

An ardent roboticist ventured into robotics, crafting diverse projects and mastering Robotics and Machine Learning. Now, eagerly embracing new challenges with limitless freedom.

### ACADEMIC RECORD:

- Bachelors in Technology in Electronics and Communication Engineering:  
Acropolis Institute of technology and Research, Indore  
Currently in 4<sup>th</sup> Year  
**8.28 CGPA**
- Senior Secondary (12<sup>th</sup> CBSE):  
SICA Senior Secondary School, Indore (M.P)  
**86.6%**
- Higher Secondary (10<sup>th</sup> CBSE):  
SICA Senior Secondary School, Indore (M.P)  
**84.4 %**

### PROJECTS:

- Military Robotic Arm:**  
An Autonomous combat arm, equipped with a rifle which shoots targets using advanced computer vision  
**Role:** Product Designer, Product Developer  
**Duration:** 7<sup>th</sup> Feb 2024- Present
- Singulation Automation Machine (SAM):**  
An Innovative box-picking automation machine for Flipkart Grid 5.0 Robotics Challenge reaching the final round.  
**Role:** Team Leader, Product Designer, Product Developer  
**Duration:** 1<sup>st</sup> Aug 2023- 3<sup>rd</sup> Jan 2024
- Autonomous Vehicle:**  
Utilizes sensors to detect obstacles and people on a predetermined route, enabling informed decision-making based on real-time data.  
**Role:** Hardware Developer, Product Designer  
**Duration:** 19<sup>th</sup> Dec 2023- Present
- C.H.A.R.M:**  
A Robot with hardware-based artificial intelligence.  
**Role:** Product Designer, Software Developer  
**Duration:** 20<sup>th</sup> July 2023 – 11<sup>th</sup> Mar 2024
- Traffic Robot:**  
It is an automated traffic robot that regulates traffic in that region with a system for automatic shutdown and starting.  
**Role:** Software Developer, Hardware Integrator  
**Duration:** 9<sup>th</sup> Feb 2023 – 11<sup>th</sup> Feb 2023

### TRAINING/INTERNSHIP:

- INTERNSHIP:**  
VOID ROBOTICS  
A Company provide Robotics solutions  
[31<sup>st</sup> Jan 2024 – 27<sup>th</sup> Jun 2024]
- INTERNSHIP:**  
ESLA TRANSTECH PRIVATE LIMITED  
An Automotive Consulting Company  
[1<sup>st</sup> Aug 2022 – 15<sup>th</sup> Mar 2023]
- ADVANCE SKILLING PROGRAM:**  
Additive Manufacturing and Reverse Engineering  
[13<sup>th</sup> Feb 2023 – 17<sup>th</sup> Feb 2023]

**Reference:** Dr. Uday Bhanu Singh Chandravat, Head of EC Department at Acropolis Institute

[hodec@acropolis.in](mailto:hodec@acropolis.in)

**Declaration:** I hereby declare that the information above is true to best of my knowledge

**Place:** Indore (MP)

### CO CURRICULAR ACTIVITIES:

- IIC Event**  
Exhibited an Electric Vehicle solution in Regional Meet by IIC held in Bhopal on 22<sup>nd</sup> July 2022
- TEDx Event**  
Attended the TEDx event held in Indore on 4<sup>th</sup> Feb 2023
- Publicised in IIC's Outraged program.

### SKILLS:

- |                    |                  |
|--------------------|------------------|
| • Python           | • RViz           |
| • Raspberry Pi     | • CAN, SPI & I2C |
| • Arduino          | • MoveIt         |
| • Gazebo Simulator | • Linux OS       |
| • Eagle Software   | • ROS2           |
| • Basic PLC        | • C++            |

### STRENGTHS:

- Ebullient
- Dextrous

### AREA OF IMPROVEMENT:

- Collaborative Skills
- Delegation

### HOBBIES:

- Table Tennis
- Cooking

### PERSONAL DETAILS:

Date of Birth : 5 Dec 2002

Gender : Male

Marital Status : Single

Nationality : Indian

Mother Tongue : Punjabi

Father's Name : Mr. Hardeep Singh Narang

### CERTIFICATIONS:

- IOT, Robotics and Embedded System
- OpenCV by Skillup
- IIC Regional Meet

**PAVIT SINGH NARANG**