

SNEHA VARSHNEY

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EDUCATION

B. Tech in Electronics & Communication, GLA University, Mathura [8.35 (till 7 semester)]	Oct 2021-Present
Intermediate, St. Paul's Senior Secondary School, Mathura [91%]	May 2021
High School, St. Paul's Senior Secondary School, Mathura [94.4%]	May 2019

INTERNSHIP/TRAINING EXPERIENCE

Embedded Systems <i>Trainee at Internshala Online Trainings</i>	March-April 2024
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- Learnt about Digital Embedded Hardware, Embedded Firmware, Firmware Development and Phases of Embedded Systems Development
- **PROJECT:** - RTC using Arduino UNO

PROJECTS

Smart Security Automation System <ul style="list-style-type: none">• Description: The objective of this project is to provide security against anonymous users and to alert the authorized person about the theft.• Based On: Arduino Uno• Environment: Arduino IDE	Feb 2024 - May 2024
Solar Tracker <ul style="list-style-type: none">• Description: The objective of this project is to find Sun's position according to the Earth's revolution.• Based On: Arduino UNO• Environment: Arduino IDE	Oct 2023 - Dec 2023
Digital System Design of an Elevator Controller <ul style="list-style-type: none">• Description: The objective of this project is to design an elevator for eight floors. The core part of the design is conditional statements, Increment and Decrement Operations and case of elevator movement.• Based On: Verilog HDL• Environment: Xilinx ISE	Oct 2023 - Dec 2023
Voice and Bluetooth Controlled Vehicle <ul style="list-style-type: none">• Description: The objective of this project is to make a vehicle operating on voice and Bluetooth commands.• Based On: Arduino Uno• Environment: Arduino IDE	Mar 2023- June 2023

SKILLS

- **Programming Languages:** Embedded C, C, Java, Verilog
- **Software Worked on:** Arduino IDE
- **Microcontrollers:** Arduino UNO, Arduino Nano, ESP32
- **Familiar With:** OOPS Concepts, Data Structure and Algorithm Concepts, Communication Protocols, Basics of LINUX
- **Professional Skills:** Problem Solving, Leadership Quality, Quick Learner, Time Management

EXTRA/ CO-CURRICULAR ACTIVITIES

- Got 1st prize in Tech Symposium.
- Volunteered at the International conference on Advances in Materials, Sensors and Microelectronic Devices.
- Participated in a hands-on workshop on Arduino and IoT.
- Co-ordinated a cultural event, Kratikala

DECLARATION

I hereby declare that all the above-mentioned information is true and correct to the best of my knowledge.

