



AVINASH

Student

Career Objective

Aspiring Electronics and Communication Engineering student seeking opportunities to apply academic knowledge and hands-on dynamic career that involves innovation, problem-solving, and continuous learning in the ever-evolving world of electronics and technology.

Education Background

- Bachelors in Electronics and Communication Engineering
I Chandigarh University, Gharuan
Session: 2021-2025 | CGPA: 8.18 till 4th sem
- Intermediate (RBSE) | R. S. S. Sr. Sec. School, Hanumangarh Town, Rajasthan
Session: 2017-2018 | Percentage: 77.20%
- Matriculation (RBSE) | Tagore Public Secondary School, Hanumangarh Town, Rajasthan
Session: 2017-2018 | Percentage: 74.17%

Projects

- Land Mine Detector and Remover
 - Developed a land mine detection and removal system to enhance safety in hazardous areas
 - Wireless Rover is made and a robotic arm deployed to remove the land mines and sensor is deployed to confirm presence of land mines
- IoT based smart Agriculture System
 - Developed an IoT-based solution to optimize agricultural processes and improve crop yield
 - Integrated multiple sensors with a microcontroller for real-time data monitoring and cloud connectivity, enabling remote monitoring and data visualisation
- IoT based Multiple Submersible pump control system for the agricultural water pipeline
 - Developed an IoT solution to control multiple agricultural water pumps, reducing water wastage through precise irrigation control
 - Utilized WAN connectivity to link pumps. Integrated sensors for data collection (voltage, temperature, humidity, timers). Enabled remote pump control and parameter visualization via the cloud. Improved water efficiency by 20-30%

Trainings

VLSI Design by Internshala

- Learned Cadence Design Systems software for VLSI design, including tools such as Cadence Virtuoso for schematic capture and layout, Cadence Spectre for circuit simulation

IoT & Embedded System by Edustation

- Learned Sensor interfacing with Microcontrollers, Wireless communication, Gained hands-on experience in programming microcontrollers (e.g., Arduino, NodeMCU, ESP32) for embedded systems development.

My Contact

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📍 Chandigarh University, Gharuan,
Mohali, Punjab

[Avinash Suthar | LinkedIn](#)

Technical Skills

- C/C++
- HTML, CSS
- Java
- Python
- Arduino, ESP32 & Arduino IDE

Hobbies or Interests

- Travelling
- Powerlifting
- Taekwondo

Certifications

- | | |
|---|------|
| • Python for Data Science, AI & Development from Coursera | 2022 |
| • Analog Circuits from NPTEL | 2022 |
| • VLSI Design from Internshala | 2023 |
| • IoT & Embedded Systems from Edustation | 2023 |
| • Software Engineer job simulation from JPMorgan chase | 2023 |

Extra & Co-Curricular Activities

- Participated in a hackathon competition at Uttarakhand University and Secured 3rd position.
- Competed in the PEDAsponsored competition at IIT Ropar, focusing on innovative energy-saving solutions.

Achievements

- Secured 3rd position in the International hackathon competition at Uttaranchal University.
- Recognized with an Academic Excellence, Performer and Competitor award.