

SWAROOP KUMAR YADAV

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ELECTRONICS & COMMUNICATION ENGINEERING STUDENT

A detail-oriented and technically adept electronics and communication engineering student with hands-on experience on VLSI, embedded systems, and circuit design, with wider knowledge in digital media.

WORK EXPERIENCE

Graphic Designer & Digital Marketing Team | InSri Tech Solutions Sep 2024 - Nov 2024

- Created 50+ branding assets, boosting client engagement by 30%.
- Played a key role in social media strategies to increase brand visibility.

Coding Teacher | Cybeorg Education Technology Private Limited Sep 2022 - Nov 2022

- Taught 50+ students aged 6–18 from 10+ countries, enhancing their coding skills with Python, Scratch, and block-based programming.
- Improved student satisfaction by 95% with tailored teaching methods and hands-on lessons.

SKILLS & CERTIFICATIONS

- Arduino UNO, Mega ; MSP430
- Code Composer Studio (CCS), Arduino IDE, LTspice, Proteus, Energia, Xilinx Vivado
- Python, C , Verilog
- PCB Designing (Basics)
- Leadership Skill
- Geodata Processing using Python - IIRS (ISRO)
- MicroPython for Beginner
- Graphic Designing
- Event Management

EDUCATION

B.Tech (Electronics & Communication Engineering) 2022 - 2026

- Hemvati Nandan Bahuguna Garhwal University, Srinagar, Uttarakhand
- Volunteered Social Media Team in Institution Innovation Council (IIC)

Intermediate | 93.4 % 2020 - 2021

- D.A.V. Centenary Public School, Baniahir, Dhanbad, Jharkhand
- Design & Art Team for DAV Annual Exhibition - 2019

PROJECTS

Water Quality Monitoring System using Turbidity Sensor & Arduino UNO

- In this project, we use an Arduino UNO and a turbidity sensor to monitor water quality.
- The turbidity sensor measures the turbidity level of the water and sends the data to the Arduino.
https://github.com/S2Sofficial/Water_Turbidity_Detector_UNO

RFID based Lock System using Arduino UNO

- The RFID-based Lock System is a security application that leverages Radio Frequency Identification (RFID) technology for access control.
https://github.com/S2Sofficial/rfid_arduinoUNO

AWARDS

- 1st Prize in Photography Competition in World Tourism Day celebrations (2024)
- Runner-up in Mime Competition in Annual Function (2023) — HNBGU
- Certificate of Digital Designer in Ananta Fest (2024) — HNBGU