

EDUCATION

Lucknow, India	Institute of Engineering & Technology	Dec 2020 – Aug 2024
Bachelor of Technology	Electronics and Instrumentation	CGPA: 8.40

EXPERIENCE

e-Yantra Robotics Competition – 2021 Stage-2

It is an international Robotics competition organized by 'Indian Institute of Technology, Bombay'.

Worked on FPGA (Field Programmable Gate Array) using Verilog HDL language.

Worked on the Digi-Xbee module.

This module uses wireless communication protocol.

Worked on some electronics sensors – Line Following Sensor.

TECHNICAL PROJECTS

Soil Monitoring Bot

In this theme, we build the SM Bot for deployment on an arena that abstracts an agriculture field.

It uses wired and wireless communication.

Concepts Used :FPGA architecture, FPGA programming using Verilog HDL, Wireless communication concepts, building a bot using a real FPGA development board.

ACHIEVEMENTS

- Codechef Rating 1535 – 2 Star.
- Global Rank – 158 in 'June Long Two 2022 Div 3'.
- Codeforces Maximum Rating 1051.
- Reached in Stage-2 of **e-Yantra Robotics Competition – 2021** .
- Codeforces [pushpendra_20](#)
- Codechef [sanni_20](#)
- LeetCode [pushpendra_20](#)

SKILLS

- **Strongest Area:** Data structure & Algorithms.
- **Languages:** C, C++, Python, HTML, Verilog HDL.
- **Tools:** Vscode, Quartus Prime.