

EDUCATION

Lucknow, India

Institute of Engineering & Technology

Dec 2020 – Aug 2024

Bachelor of Technology

Electronics and Instrumentation

CGPA: 8.40

TECHNICAL PROJECTS

- **Soil Monitoring Bot**

In this theme our team has built a SM bot to deploy on an arena that is the abstraction of an agricultural field.

Language Used : Verilog HDL.

Concept Used : Data Structures, Algorithms , Dijkstra Algorithm, Wireless Communication, FPGA.

Softwares Used : Quartus Prime Lite, XCTU, HTerm.

Main Hardwares Used : De0-Nano, Xbee s2c module, 3 channel Line Follower Sensor, Color Sensor (TCS3200), USB to UART module (FT232RL).

EXPERIENCES

- eYRC-2021 Stage 2.

ACHIEVEMENTS

- Codechef ([sanni_20](#)) Rating 1535 – 2 Star.
- Global Rank – 158 in 'June Long Two 2022 Div 3.
- Codeforces ([pushendra_20](#)) Maximum Rating 1051.
- Reached in Stage-2 of e-Yantra Robotics Competition-2021.
- LeetCode [pushendra_20](#)

SKILLS

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