

## 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.

**Concept Used** : Data Structures, Algorithms , Dijkstra Algorithm, Verilog HDL language.

**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 ([pushpendra\\_20](#)) Maximum Rating 1051.
- Reached in Stage-2 of e-Yantra Robotics Competition-2021.
- LeetCode [pushpendra\\_20](#)

## SKILLS

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