

# KARAN SAXENA

saxenak782@gmail.com | +91 9530252445 | Jaipur, Rajasthan  
[Leetcode](#) | [GeeksforGeeks](#) | [LinkedIn](#)

## Objective

I intend to be a part of an organization where I can Constantly learn and develop my technical skill and knowledge and make best use of it for growth of the organization. I look forward to establishing myself by adapting new technologies as well.

## Education

**Birla Institute of Technology, Mesra** July 2019 - Apr 2023  
**Bachelor of Technology** in **Electrical and Electronics**

## Skills

**Languages:** Python, HTML, CSS  
**Technologies:** Django, Node-RED

## Projects

### **Hardware Inventory (Web Application)** [Git](#)

- Application aided by **Django based Framework** and frontend components using **Bootstrap**.
- Entry and updating of Hardware, Issue Form and Generates various reports which are exportable in MS-Excel
- It is being efficiently used by 15-20 users by now.
- Leveraged this application for an efficient use to aid the Audit Department of Rajasthan

### **Real Time Chat Application** [Git](#)

- It can be used by multiple users for exchanging messages at the same time
- Used **AJAX** for inhibit multiple reloading on every message exchanged within users.
- Worked on **SQLite**.

### **Weather App** [Git](#)

- Used OpenWeatherMap API as dynamic API.
- Worked with **JsonResponse** library to generate **JSON-encoded response**.

### **Home Automation (IoT)**

- It can automate heavy loads, 8 electrical non-smart equipments altogether at once.
- Automated full room using **NodeMCU** and **Blynk local server**.
- Worked on raspberry pi for a local server.
- Worked on **Node-RED** flow editor for connecting API to amazon Alexa.

## Community Experience

### **Hardware Inventory (Web Application)** – April 2022 – Present

Hardware Inventory application trial and tested successfully, and is being used in Accountant General (A&E) Jaipur, Rajasthan and Indian Audit & Accounts Department (GOI)

### **Head coordinator of the cultural committee** (College Level)

Managed numerous successful programs and events of the college

### **President of the Music club** (College Level)