

# Shivesh Chaturvedi

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## EDUCATION

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Indian Institute Of Technology Kharagpur, Kharagpur  
*Bachelor of Technology in Mechanical Engineering*

C.G.P.A. – 9.08  
*Dec 2020- Present*

Rani Laxmi Bai Memorial School, Lucknow  
*C.B.S.E. board , Class(XII)*

Percentage -96.2  
*2017-2019*

Rani Laxmi Bai Memorial School, Lucknow  
*C.B.S.E. board , Class(X)*

C.G.P.A – 10  
*2015-2017*

## PROJECTS

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### **IoT Based device** | *Self Project*

May 2021-Present

- The project aims to create a product that is capable of replacing the old circuit boards. It is basically room automation with a Bluetooth controller, with 3 main modifications i.e.
  1. Automatic Temperature controlled fan.
  2. A device which detects humans in the room and thus turn on or off the lights.
  3. Voice control for switching the room components on or off.
- Developed a device using ESP32 / Arduino Nano to control the fan speed based on surrounding temperature and humidity values, Switching ON/OFF of appliances based on the user in the room.
- Controlling the appliances in the room using a Local network-hosted web page.

## Position of Responsibilities

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### **Web Team Member, International Relations' Cell**

Aug 2021-Present

- Working with Web Team in creating/managing the official website of International Relations Cell.
- Helping the Office of International Relations in organizing semester exchanges, foreign internship, and hosting international students and delegations.
- Working at the forefront for FTP opportunities for students at IIT Kharagpur.

### **Subhead and Web Team Member, National Students' Space Challenge**

Aug 2021-Present

- Made the website for National Students' Space Challenge( NSSC) 2021 using ReactJS by coordinating with other web team members
- Working with the Core team to schedule and execute NSSC event.

## SKILLS

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**Software:** H.T.M.L., CSS, JavaScript, React, Django, C, C++, Python

**Hardware:** Arduino UNO, PCB design and fabrication

## Extra Circular Activities

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- Participated in Open IIT Biz quiz Test 2021
- Participated in the Web Dev Workshop organized by Kshitij, IIT Kharagpur.
- Participated in Kshitij Code Adept, a coding Hackathon
- Group Leader of NSS Unit 13
  - Coordinating/ Leading my unit in many projects.
  - Learning the social and cultural and moral values.

*Dec 2020-Present*

## ACTIVITIES AND INTEREST

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**Electronics:** Design and built a number of devices including Tesla Coil, Laser security alarm system, Clap Lamp

**Coding:** 5 star C, 3 star Python coder, 3 star in Problem Solving at Hackerrank