



## Sonu Kumar Sharma

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## OBJECTIVE

I am seeking a challenging role in a reputable organization where I can leverage my technical and management skills to contribute to organizational growth, while also enhancing my knowledge and fostering innovation.

## EDUCATION

<b>Oriental Institute Of Science and Technology, Bhopal</b>	7.65/10 CGPA (till 7th)
<i>B.Tech in Electronics and Communication Engineering</i>	2021-2025
<b>MK College, Darbhanga</b>	Percent:- 74
<i>Higher Schooling</i>	2018-2020
<b>MKJ High School, Darbhanga</b>	Percent:- 60
<i>Secondary Schooling</i>	2017-2018

## INTERNSHIP

<b>Cisco Virtual Internship</b>	May 2024 - July 2024
<i>Networking Internship</i>	

- I designed and implemented a Star Topology by connecting multiple computers via a switch, assigning unique IP addresses, and performing "ping" tests to verify communication.
- I explored the switch's MAC table to understand learning, flooding, and forwarding and used basic commands for troubleshooting.

## PROJECTS

<b>Academic Projects   Heart Beat Monitoring System using Arduino</b>	June 2024
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- I developed a heart rate monitoring system using Arduino, demonstrating expertise in hardware integration and sensor calibration.
- The system accurately captures, processes, and displays real-time heart rate data using components such as Arduino Uno, a PCB board, an LCD display, a pulse sensor, and power sources.

<b>Academic Projects   Estimating Water Level in Storage Tank and Predicting Usage Time</b>	Present
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- I developed an IoT-based system to estimate water levels in a storage tank and predict usage time, enhancing water management efficiency.
- The system utilizes sensors like ultrasonic sensors and a microcontroller (Nodemcu Esp8266) to monitor real-time water levels, analyze consumption patterns, and provide timely alerts for refilling.

## TECHNICAL SKILLS

**Electronics:** Microcontroller(basic), Analog Device

**Languages:** C, Java(basic)

**Soft Skills:** Teamwork, Leadership, Communication Skills

## PUBLICATIONS

- **Research Paper on IoT-based Water Level Monitoring System:** Published in [IJRDT, Volume-22, Issue-11, Nov(24)], detailing an innovative system for estimating water levels in storage tanks and predicting usage time using IoT technologies.

## CERTIFICATIONS

**Cisco:** CCNA Certified

**Coursera:** Introduction to IoT and Embedded Systems

## ACHIEVEMENTS

- Competed in the **Young India Turks contest** and secured an **All India Rank of 17,238**.
- Participated in **Circuit Designing** Competition and got **1st** Runner-up in a College event.
- Attended a **PCB Designing** workshop by Robotronix India in college.