



# Akanksha Mishra

✉ akankshamishra6111@gmail.com

☎ 7905687906

📍 Arvind bhavan Village -  
bhitari, Post-lohata, District -  
Varanasi, 221107, UP

🗓 DOB 20/09/1998

## ⚙ Skills

- Verilog
- VHDL
- MATLAB
- SCAPS-1D
- Origin
- MS Word
- MS Excel
- Power Point
- Documentation and Reporting
- Teamwork and Collaboration

## 🔬 FIELD OF INTEREST

- VLSI Design: Delving into Very Large Scale Integration (VLSI) to design and fabricate integrated circuits (ICs) with high complexity and functionality.
- Digital Electronics
- Analog Electronics
- Control Systems
- Embedded Systemσ
- Wireless Communication
- Signal Processing and Image/Speech/Audio Processing
- Internet of Things (IoT)
- Renewable Energy Systems
- Robotics and Automation
- Artificial Intelligence and Machine Learning

## 📋 PROJECT WORK HANDLED DURING ACADEMIC PROGRAM

- **M. Tech thesis work “Study of Quantum Dots based solar cell through SCAPS-1D”**
- **B. Tech Industrial project work: Study of Fiber Optics communication” from BSNL (Bharat Sanchar Nigam Limited) Varanasi, UP, INDIA**  
**Period: 13 June 2018-24 July 2018**
- **B. Tech thesis work: The development of IOT (Internet of things) Weather Monitoring system for real time analysis of weather by using Arduino.**  
**Period: 6 months (December 2018-June 2019)**

## ❖ INTERNSHIP & TRAININGS

- 20 Feb 2023-19 March 2023-Internship on smart sensing and IoT at **IIT BHU**.
- Bharat Sanchar Nigam Limited Varanasi (**BSNL**) Varanasi, UP, INDIA (Period: 13 June 2018-24 July 2018).
- 21st-22nd January 2017- Attended workshop on **ROBOTICS AND INTERNET OF THINGS AT IIT BHU** (Indian Institute of Technology Banaras Hindu University).
- Having one month course certificate in **CORE JAVA language from IIHT Varanasi**

## EDUCATIONIOAL QUALIFICATION

### PhD research scholar in SCEE (Pursuing) (2024)

Indian Institute of Technology Mandi,  
Himanchal Pradesh India

### M. TECH: ECE, DIGITAL SYSTEM (2023)

Madan Mohan Malaviya University of TechnologyGorakhpur, Uttar Pradesh, India

Percentage: **80.05%**

### B. TECH: ELECTRONICS AND COMMUNICATION ENGINEERING

Kashi Institute of Technology (AKTU)Varanasi, Uttar Pradesh, India Percentage:

**72.20%**

### SENIOR SECONDARY

Govt Girls Inter College Varanasi, Uttar Pradesh, IndiaPercentage: **73.00%**

### HIGHER SECONDARY

Govt Girls Inter College Varanasi, Uttar Pradesh, IndiaPercentage: **84.84%**



### PUBLICATIONS (under revision)

**Research article -1 Akanksha et al (2023)**, Efficiency enhancement of PbS quantum dot solar cells through strategic modification of Htl and Etllayers (under review) Transaction of electronics and electrical materials Springer

**Research article -2 Akanksha et al (2023)**, Analysis of GaAs quantumdotsolar cell using simulation based approach (communicated in Engineering research express)

## STRENGTH

Able to solve intellectual tasks, Team leadership quality, like to work as productive team member, Hard Working, Honest, co-operative and punctual. Highly eager to learn the new skills and Responsible Attitude.



## HOBBIES

- Traveling
- Watching movies

## Reference

### Dr. Rahul Shrestha

#### Associate Professor

School of Computing and Electrical Engineering  
Indian Institute of Technology, Mandi, HP, INDIA

E-mail: rahul\_shrestha@iitmandi.ac.in

### Prof. R.K.Chauhan

#### Professor

Department of Electronics and Communication Engineering

Madan Mohan Malaviya University of technology, Gorakhpur, UP,  
INDIA

E-mail: rkchauhan27@gmail.com

**Declaration:** I hereby declare that the above given information are true.

Akanksha Mishra

Date-29 May 2024

Place- Mandi, Himanchal Pradesh, INDIA

