



## SHUBHAM SINGH

ABV-IIITM Gwalior  
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### EDUCATION

- **Indian Institute of Information Technology, Gwalior**

M.Tech in Digital Communications  
7.65 CGPA  
2019-2021

- **Birla Institute of Applied Sciences, Nainital**

B.Tech in Electronics and Communication Engineering  
70.02 %  
2014-2018

- **Campus School ,Pantnagar**

Class 12  
84.80 %  
2014

- **Campus School, Pantnagar**

Class 10  
9.8 CGPA  
2012

### TECHNICAL SKILLS

- ANSYS-HFSS
- MATLAB
- C++
- Communication Engineering
- Data Structures

### PROJECTS

- **Development of Dielectric Resonator Antenna for 5G Communications** (under Dr. Pinku Ranjan, Asst. Professor, IIIT, Gwalior)

*Ongoing (August '20-present)*

An antenna design is being developed to work in the sub-6 GHz frequency bandwidth required for 5G communications, simulation of its working is carried on ANSYS-HFSS software.

- **Development of Dielectric Resonator Antenna for WLAN and LTE Applications** (under Dr. Pinku Ranjan, Asst. Professor, IIIT, Gwalior)

*Completed (May '20-July '20)*

An antenna design is being proposed to work for WLAN and LTE applications with resonant frequency at 2.4 GHz and 1.8 GHz, respectively, simulation of its working is carried on ANSYS-HFSS software to obtain s-parameter and radiation patterns.

- **User Grouping of Power-domain NOMA** (under Dr. Binod Prasad, Asst. Professor, IIIT, Gwalior)

*Completed (Feb'20-April'20)*

Using MATLAB simulation it was found that greater the power difference between the two users, the higher the accuracy of user detection.

- **Smart Plant** (under Mr. Anil Chaurasia, Asst. Professor, BIAS, Nainital)

*Completed (March'18-May'18)*

The project allows live plants to respond with the help of text alert to its owner when in need of water and ample amount of sunlight intensity using ARDUINO and DHT-11 and soil moisture sensor.

## ACHIEVEMENTS & AWARDS

- Qualified GATE 2019 in Electronics and communication engineering.
- Best paper award in second all India Seminar on "Advances in Engineering and Technology for Sustainable Development"-2017.

## TRAINING AND INTERNSHIPS

BHARAT ELECTRONICS LTD. *(Completed-(june'17-July'17))*

- Project: Surface Mount Technology- produced electronic circuits in which the components are directly mounted on the printed circuit boards.

## INTERESTS

- Wireless Digital communication
- Information Technology and Communications.

## ACTIVITIES

- Batch Placement Representative at IIIT, Gwalior
- Teaching Assistant, IIIT, Gwalior (Jan'20-present).

## CO-CURRICULAR ACTIVITIES

- Organized Intra-College sports fest named "FORMULA"-2020 at IIIT, Gwalior.
- Coordinated annual college fest named "SPECTRUM"-2017 at BIAS, Nainital.

## PERSONAL PROFILE

- Date of Birth : 20/12/1996
- Nationality : Indian
- Known Languages : Hindi, English
- Hobby : Playing sports like badminton and cricket.

## DECLARATION

All the information mentioned in the resume are correct to the best of my knowledge and believe.

Date : 26-August-2020

Place : Uttarakhand