

# Shilpi Kumari

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## EDUCATION

Degree/Grade	Institution	Score
B.Tech, ECE	National Institute Of Technology, Delhi	9.13 CGPA
Senior Secondary	Holy Cross School (CBSE)	90%
Secondary (High School)	Prabhat Tara School (CBSE)	10 CGPA

## EXPERIENCE

### Research Internship IIT Patna

06/2021 - 07/2021

Review on different methods for COVID-19 detections

Tasks

-Comparison based review paper on different contact and non-contact methods for COVID-19 detection

### Research Internship NIT Delhi

11/2020

Rotman Lens Designer with GUI

Tasks

-To study the working of Rotman Lens and develop the GUI

## PROJECTS

### Comparison and Design of Digital IIR Filters Using MATLAB

(10/2021-11/2021)

Designing the digital IIR Filters and comparison using MATLAB

### Numerical Analysis Of Nonlinear Pulse Propagation Using MATLAB

(09/2021)

Studying different pulse propagation in Optical Fiber in MATLAB

### Billing Software

(01/2020 - 02/2021)

Python tkinter based bill management software

### Image Processing With C

(02/2020-04/2020)

Basic Image processing on png, jpg images using C programming

## SKILLS

-C/C++ programming  
-Python  
-MATLAB, GNU Octave, Scilab  
-NI Multisim  
-Open CV  
-Machine Learning  
-tkinter Python  
-HTML

## ACHIEVEMENTS

-Among top 1.45% of candidates in JEE Mains 2019  
-Qualified JEE Advances 2019  
-Among top 0.06% of candidates qualified for ICAR exam.

-Bronze Medal in National Science Olympiad 2013

-Silver Medal in National Science Olympiad 2012

## EXTRA CURRICULAR ACTIVITIES

-IEEE Student Member IEEE NITDelhi

-Photography Club Volunteer, Photography Club, NIT Delhi

## LANGUAGES KNOWN

Hindi, English