

# Swapnil Negi

ELECTRONICS AND COMMUNICATION UNDERGRADUATE · PROGRAMMER

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## Education

### Indian Institute of Technology Roorkee

B.TECH. ELECTRONICS AND COMMUNICATION ENGINEERING

- Cumulative Grade Point Average, CGPA: 8.39/10

Roorkee, India

July 2016 - PRESENT

## Achievements

2017    **34th Place**, ICPC Chennai Online

Chennai, India

2017    **56th Place**, ICPC Chennai Onsite

Chennai, India

2017    **111th Place**, CodeVita 2017; 99473 participants

India

2016    **All India Rank 1111**, Joint Entrance Exam Advanced; selected 200,000 candidates

India

2016    **All India Rank 710**, Joint Entrance Exam Mains; 1.5 million candidates

India

## Projects

### RISC Processor - CSN 221

COURSE PROJECT

- Made a 16 bit RISC processor as a group project.
- Worked on Verilog.

Roorkee, India

Aug. 2017 - Nov. 2017

### Forminator - Information Management Group, IIT Roorkee

SOFTWARE DEVELOPER

Forminator is an intranet based forms application in which the user can create forms, select the audience groups or individuals, create groups for future use and use the information database of the institute.

- Currently working on porting the application from Yii to Laravel and adding features like conditional fields, autosaving the groups made by users etc.

Roorkee, India

Aug. 2017 - Present

### TripSched - Rajasthan Hackathon 3.0

DEVELOPER

TripSched is a tourism app that uses an intelligent scheduling algorithm to plan a trip for the user maximizing his happiness.

- Added the script for the intelligent planning using the distance and travel time between locations, time spent at locations, ratings of locations, opening and closing time of locations, etc.

Udaipur, India

Dec. 2017

### Virtual Cinema - SDS Labs Hackathon 2017

DEVELOPER

Virtual Cinema is an application for streaming videos which takes real time snapshots from webcam and verifies if it matches with user's face and pauses the streaming if user is not found.

- Worked on backend using node.js

Roorkee, India

Sept. 2017

### Chargify - Microsoft Code.Fun.Do

DEVELOPER

Chargify is an android app that enables the user to get the accurate location of nearby public or private charging points. The location and status of charging points is updated when user plugs in the charger.

Roorkee, India

Feb. 2018

## Skills

**Programming**    Python, C++, Java

**Web**    HTML5, CSS, Javascript, PHP

**Frameworks**    SASS, Angular, Laravel, Yii, Django

**Utilities**    Git, Linux-Shell, Vim, Sublime, MySQL

# Extracurricular Activities

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## Information Management Group (IMG)

*IIT Roorkee*

HUB COORDINATOR

*Jan. 2017 - PRESENT*

IMG is a group of students that constantly strive to lead in the innovation, development and maintenance of advanced information technologies including computer systems, software and database systems.

- Worked on applications like Forminator, Minutes of Meeting.
- Delivered lectures on probability theory, group theory, etc.

## Programming and Algorithms Group (PAG)

*IIT Roorkee*

PROGRAMMER

*Aug. 2017 - PRESENT*

Programming and Algorithms Group is aimed at spreading a culture for Algorithms and related stuff among people both in and outside IIT Roorkee by organising contests, delivering lectures, etc.

- Delivered lectures on number theory and dynamic programming
- Made questions for a mathematics contest on Erdos, an application for mathematics geeks.

## National Sports Organisation (NSO)

*IIT Roorkee*

MEMBER

*Aug. 2016 - May, 2017*

NSO is a students group for incorporating sports culture in the campus.

- Selected for football team in NSO.