

# Swapnil Negi

ELECTRONICS AND COMMUNICATION UNDERGRADUATE · PROGRAMMER

A-142, Rajiv Bhawan, IIT Roorkee, Roorkee-247667, Uttarakhand, India

☎ (+91) 8755148427 | ✉ swapnil.negi09@gmail.com | 📱 swap-nil7 | 🌐 swapnil07

## Education

### Indian Institute of Technology Roorkee

Roorkee, India

B.TECH. ELECTRONICS AND COMMUNICATION ENGINEERING

July 2016 - PRESENT

- Cumulative Grade Point Average, CGPA: 8.39/10

## Achievements

- |      |  |                |
|------|--|----------------|
| 2017 | <b>34th Place</b> , ICPC Chennai Online  | Chennai, India |
| 2017 | <b>56th Place</b> , ICPC Chennai Onsite  | Chennai, India |
| 2017 | <b>111th Place</b> , CodeVita 2017; 99473 participants                                 | India          |
| 2016 | <b>All India Rank 1111</b> , Joint Entrance Exam Advanced; selected 200,000 candidates | India          |
| 2016 | <b>All India Rank 710</b> , Joint Entrance Exam Mains; 1.5 million candidates          | India          |

## Projects

### RISC Processor - CSN 221

Roorkee, India

COURSE PROJECT

Aug. 2017 - Nov. 2017

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

### Forminator - Information Management Group, IIT Roorkee

Roorkee, India

SOFTWARE DEVELOPER

Aug. 2017 - Present

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

### TripSched - Rajasthan Hackathon 3.0

Udaipur, India

DEVELOPER

Dec. 2017

- 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.

### Virtual Cinema - SDS Labs Hackathon 2017

Roorkee, India

DEVELOPER

Sept. 2017

- 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

### Chargify - Microsoft Code.Fun.Do

Roorkee, India

DEVELOPER

Feb. 2018

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.

## Skills

- |                    |                                       |
|--------------------|---------------------------------------|
| <b>Programming</b> | Python, C++, Java                     |
| <b>Web</b>         | HTML5, CSS, Javascript, PHP           |
| <b>Frameworks</b>  | SASS, Angular, Laravel, Yii, Django   |
| <b>Utilities</b>   | 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.