Swapnil **Negi**

ELECTRONICS AND COMMUNICATION UNDERGRADUATE · PROGRAMMER

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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	**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   *Roorkee, India*
DEVELOPER   *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*
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.
- Currently 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 - SDSLabs Hackathon 2017   *Roorkee, India*
DEVELOPER   *Sept. 2017*
- Virtual Cinema is an application for multiplexes to stream their videos online. The app makes sure that only the authentic users get access to view the movie by validating the users by taking their real time snapshots using webcam. The app pauses the video itself if no user is 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 users plug in or plug out the charger.

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

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 math 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.