

Swapnil Negi

Software Engineer
Microsoft

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Education

2016-2020
B.TECH. Major in ECE, Minor in CSE
IIT Roorkee
CGPA: 8.618 / 10

Links

Linkedin: **swapnil07**
Github: **swap-nil7**
ICPCID: **memeset**
Codechef: **swapnil07**
Codeforces: **swapnil07**

Ratings

Codechef: 2276 (Orange, 6-star)
Codeforces: 2131 (Orange, Master)

Skills

Programming languages

C/C++, Python, Java, Javascript,
Typescript, PHP, C#

Frameworks

Django, Laravel, Yii2, ASP.NET, Flask

Software & Tools

Git, Linux, Vim, CMake, Docker,
Visual Studio, Sublime Text

Coursework

Data Structures and Algorithms
Object Oriented Programming
Operating Systems
Computer Network
Computer Architecture
Database Management Systems
Probability Theory
Discrete Structures

Reference

Ben Hilburn
President, The GNU Radio Foundation, Inc.
Project Lead, GNU Radio
Email: bhillburn@gnuradio.org
Phone: 703.606.3326

Experience

Microsoft, Azure Stack Edge | Software Engineer

July'20 - Present

Currently working on the Kubernetes and IoT services of the Azure Stack Edge portal extension.

Newton School | Lead Problem Setter

Nov'19 - Present

Responsible for creating and reviewing programming problems for monthly public contests having more than 15,000 registrations.

Microsoft, Azure Portal | Software Engineer Intern

May'19 - July'19

Built an interactive web-portal for analyzing user flows, based on logged telemetry, in any Azure Portal Extension.

Optimized the graph generation time and the time to analyze any particular user flow by implementing various Data Structures and Algorithms.

GNU Radio | Google Summer of Code Student

Apr'18 - Aug'18

Made the tool, gr-modtool, extensible by rewriting it as a plug-in architecture and making it python version independent.

Enhanced the utility of the tool by exposing an API and creating a GUI for the tool.

Projects

Branch Change Script, IIT Roorkee | Developer

Dec'18 - Dec'18

Created the official branch change script for the branch change of first year students of IIT Roorkee in correspondence with the administrative policies.

Forminator, IIT Roorkee | Developer and Maintainer

Aug'17 - Apr'18

Created the official data management platform of IIT Roorkee that allows creation of forms and collection of authentic data.

Achievements/Awards

Qualified for ICPC Asia West Continental Finals 2020

ICPC Ranks 2018-2020:

- 21st - ICPC Asia West Continental Finals 2020
- 10th - ICPC Online Qualifier for all Indian Regionals
- 16th - Amritapuri Regionals 2019
- 8th - Gwalior Regionals 2018

Contest Ranks:

- Global Rank 28 (India Rank 10) in August Cook-Off Division 1, 2019
- All India Rank 16 in J&J 3 Address code Online Round, 2019
- All India Rank 18 in CodeAgon (Codenaion's hiring challenge), 2019
- All India Rank 18 in Goldman Sachs Quantify, 2019
- Global Rank 135 (India Rank 47) in Google Kickstart Round E, 2019
- Global Rank 409 in Facebook HackerCup Round 2, 2019

Technical Groups

Member | GNU Radio Organisation

Feb'18 - Present

Responsible for maintaining gr-modtool, a part of the GNU Radio project.
Attended FOSDEM 2019, Brussels to represent GNU Radio.

Management Lead | Information Management Group, IIT Roorkee

Apr'19 - Apr'20

Held the responsibility for managing the projects of IMG IIT Roorkee, a student technical group of 50 developers and designers aimed at developing scalable applications to support approximately 10,000 campus students and faculties.

Programmer | Programming and Algorithms Group

Aug'17 - Apr'20

Held the responsibility for creating and reviewing problems for math contests on Erdos and programming contests on Codevillage.
Delivered lectures on probability theory, graph theory and dynamic programming.