

# RitwikSharma

Computer Science Undergraduate

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## Education

2015 - 2019

**University Of Petroleum and Energy Studies (UPES)**

**B.Tech.** Computer Science & Engineering

*Specialization in Open Source & Open Standards*

Dehradun

## Open Source

2017

**Github Developer Program Member**

Github

**OpenGenus**

<https://github.com/OpenGenus>

Github

Member of OpenGenus, an open source organization.

- Aimed at building the extraordinary, Based in Japan

**Up For Grabs**

<http://up-for-grabs.net>

Github

Up for grabs website hosts projects which have curated tasks specifically for new contributors.

- Collaborator and maintainer at up-for-grabs.net.

## Projects

2018

**Personal Digital Assistant for Android**

Ongoing

Intelligent assistant that enables users to speak natural language voice commands in order to operate the mobile device and its apps

2017

**Virtual Assistant**

<https://github.com/ritwik12/Virtual-Assistant>

Minor 1

A linux based Virtual assistant on Artificial Intelligence in C

- Developed Simplified version of "Multinomial Naive Bayes" algorithm for text recognition.
- Find restaurants in an area using Google Geocoding and Places APIs, fetch weather information of any place, play multimedia files such as audio and video songs.
- Developed algorithms for Google and YouTube Search.

2017

**Sport Classifier**

<https://github.com/ritwik12/Sport-classifier>

Self Project

It is an Implementation of Pattern classification.

- Just give some hint about a sport and it will try to guess the sport about which you are talking.
- The pattern classification is somewhat like Naive Bayes Classifier.

2017

**Prototype For Hackr.io**

Internship Project

<https://ritwik12.github.io/Prototype-For-Hackr.io>

- Designed Front-end prototype for Hackr.io website
- Technology used: HTML, CSS, JavaScript, Bootstrap

## Publications

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**Linux based Virtual Assistant in C**  
IEEE Transactions on Computers

under review

## Experience

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May 2017 to July 2017

**Hackr.io** <https://hackr.io/>  
Web development Summer Intern at Hackr.io

## Skills

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<b>Programming</b>	<i>Proficient: C/C++</i>	<i>Prior Experience: Java, C#</i>
<b>Web</b>	PHP, JavaScript, Bootstrap, HTML, CSS, XML	
<b>Others</b>	Linux, Git, $\text{\LaTeX}$ , OpenGL, .Net Technologies, Android	

## Honors & Awards

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December 2017

**Best minor project award**  
University rank 1 for minor projects out of 200 projects

UPES

2013

**International rank 274**, National Science Olympiad (NSO) organized by SOF.

March 2017

**DART AND DASH**  
Secured 1st rank with cash prize among various coders in coding event "DART AND DASH" held at University Of Petroleum And Energy Studies.

Digital India Week

March 2017

**MINDSWEEPER**  
Secured 5th rank in a coding event "MINDSWEEPER" on "Hackerrank" organized at IIT roorkee during Cognizance 2017.

IIT Roorkee

## Extracurricular Activity

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2015

**Yugmak**  
Event organizer at Yugmak (a national event organized by CSI).

Computer Society Of India

2017

**Cognizance**  
Campus Ambassador at UPES Dehradun for Cognizance IIT roorkee (Techfest) 2017 under Student Partnership Programme.

IIT Roorkee

2015 - 2016

**Computer Society Of India**  
Core Committee member of Computer Society Of India (CSI)

## Miscellaneous

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- Contribute to open source, **Github**.
- Competitive coding at Hackerrank, **ritwik\_1204**.