

# RitwikSharma

Computer Science Undergraduate

☎ (+91) 8126445890 | ✉ ritwik.1204@gmail.com | 🌐 ritwik12 | 🏠 ritwiksharma | in ritwik-sharma

## Education

2015 - 2019

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

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

*Specialization in Open Source & Open Standards*

Dehradun

## Projects

2018

**Personal Digital Assistant for Android**

[link to project](#)

Ongoing

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

- Call or text (WhatsApp too) any number, search anything on Google, play video on YouTube, open any app, start/stop timer, etc.

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

**Linux based Virtual Assistant in C**

under review

IEEE Transactions on Computers

## Experience

May 2017 to July 2017

**Hackr.io**

<https://hackr.io/>

Web development Summer Intern at Hackr.io

## Open Source

---

<b>aimacode</b>	<i>Github</i>
Code for the book "Artificial Intelligence: A Modern Approach". <ul style="list-style-type: none"><li>Implemented some well reputed algorithms of A.I.</li></ul>	
<b>Github Developer Program Member</b>	<i>Github</i>
<b>OpenGenus</b>	<i><a href="https://github.com/OpenGenus">https://github.com/OpenGenus</a> Github</i>
Member of OpenGenus, an open source organization, Based in Japan.	
<b>Up For Grabs</b>	<i><a href="http://up-for-grabs.net">http://up-for-grabs.net</a> Github</i>
Up for grabs website hosts projects which have curated tasks specifically for new contributors. <ul style="list-style-type: none"><li>Collaborator and maintainer at up-for-grabs.net.</li></ul>	

## Skills

---

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

## Honors & Awards

---

2018	<b>Jexia - Wall Of Contributors</b>	<i><a href="https://jexia.com/wall-of-contributors">https://jexia.com/wall-of-contributors</a> Jexia</i>
December 2017	<b>Best minor project award</b>	<i>UPES</i>
University rank 1 for minor projects out of 200 projects		
March 2017	<b>DART AND DASH</b>	<i>Digital India Week</i>
Secured 1st rank with cash prize among various coders in coding event "DART AND DASH" held at University Of Petroleum And Energy Studies.		
March 2017	<b>MINDSWEEPER</b>	<i>IIT Roorkee</i>
Secured 5th rank in a coding event "MINDSWEEPER" on "Hackerrank" organized at IIT roorkee during Cognizance 2017.		

## Extracurricular Activity

---

2015	<b>Yugmak</b>	<i>Computer Society Of India</i>
Event organizer at Yugmak (a national event organized by CSI).		
2017	<b>Cognizance</b>	<i>IIT Roorkee</i>
Campus Ambassador at UPES Dehradun for Cognizance IIT roorkee (Techfest) 2017 under Student Partnership Programme.		
2015 - 2016	<b>Computer Society Of India</b>	
Core Committee member of Computer Society Of India (CSI)		

## Miscellaneous

---

- Contribute to open source, **Github** - <https://github.com/ritwik12>
- Competitive coding at Hackerrank, **ritwik\_1204**.