

# 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

## Experience

May 2018 to August 2018

**Red Hat, Performance and Scale R&D Team**

Bangalore

Software Engineering Intern

- Worked on Satellite, a systems-management product by the company Red Hat which allows system administrators to deploy and manage Red Hat Enterprise Linux (RHEL) hosts.
- Developed Satellite Log Data Analysis tool using Machine Learning and Data extraction from ElasticSearch. Used Filebeat and Logstash for indexing data into ElasticSearch.
- Developed code and optimized its performance from more than 2.5 hrs run time to just 4 seconds.

May 2017 to July 2017

**Hackr.io**

Web development Summer Intern at Hackr.io

## 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**

**link to project**

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.

## Publications

---

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

under review

## Open Source

---

**aimacode** Github  
Code for the book "Artificial Intelligence: A Modern Approach".

- Implemented some well reputed algorithms of A.I.

**Github Developer Program Member** Github

**OpenGenus** <https://github.com/OpenGenus> Github  
Member of OpenGenus, an open source organization, 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.

## Skills

---

<b>Programming</b>	<i>Proficient:</i> C, Python, Java <i>Prior Experience:</i> C#, C++
<b>Machine Learning</b>	Tensorflow, Scipy, Numpy
<b>Web</b>	PHP, JavaScript, Bootstrap, HTML, CSS, XML
<b>Others</b>	ElasticSearch, Kibana, Logstash, Filebeat, Ansible, Linux, Git, L <sup>A</sup> T <sub>E</sub> X, OpenGL, .Net Technologies, Android, SQL.

## Honors & Awards

---

2018	<b>Jexia - Wall Of Contributors</b> <a href="https://jexia.com/wall-of-contributors">https://jexia.com/wall-of-contributors</a> Jexia
2018	<b>Earned Reward points at Red Hat for good and quick work.</b> Red Hat
December 2017	<b>Best minor project award</b> UPES University rank 1 for minor projects out of 200 projects
March 2017	<b>DART AND DASH</b> Digital India Week 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> IIT Roorkee Secured 5th rank in a coding event "MINDSWEEPER" on "Hackerrank" organized at IIT roorkee during Cognizance 2017.

## Extracurricular Activity

---

2015	<b>Yugmak</b> Computer Society Of India Event organizer at Yugmak (a national event organized by CSI).
2015 - 2016	<b>Computer Society Of India</b> Core Committee member of Computer Society Of India (CSI)