

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

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

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

Programming

Proficient: C, C++, Java *Prior Experience:* C#

Web

PHP, JavaScript, Bootstrap, HTML, CSS, XML

Others

Linux, Git, \LaTeX , OpenGL, .Net Technologies, Android

Honors & Awards

December 2017

Best minor project award

UPES

University rank 1 for minor projects out of 200 projects

2013

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

March 2017

DART AND DASH

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

MINDSWEEPER

IIT Roorkee

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

Extracurricular Activity

2015

Yugmak

Computer Society Of India

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

2017

Cognizance

IIT Roorkee

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

2015 - 2016

Computer Society Of India

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**.