RitwikSharma

Computer Science Undergraduate

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Education

2015 - 2019	**University Of Petroleum and Energy Studies (UPES)**
	B.Tech. Computer Science & Engineering · Dehradun
	Specialization in Open Source & Open Standards

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.**
- Competitive coding at Hackerrank, **ritwik_1204.**