Ritwik Sharma

Computer Science Undergraduate

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Honors & Awards

- Jexia - Wall Of Contributors
- Awarded Grade O (Exceptional Achievement) in Minor 1, Minor 2 and Major 1 projects at SoCS, UPES
- Earned Reward points at Red Hat for good and quick work
- Best minor project award out of 200 projects at ProjectExpo 2017
- Secured 1st rank among various coders in coding event "DART AND DASH" during Digital India Week
- Secured 5th rank in a coding event "MINDSWEEPER" organized at IIT roorkee during Cognizance 2017

Extracurricular Activity

- Core Committee member of Computer Society Of India (CSI)
- Event organizer at Yugmak (a national event organized by CSI)
- HackerRank username: ritwik_1204

Skills

Programming: C, C++, Java, Python
Machine Learning: Tensorflow
Web: PHP, HTML, CSS, XML
Others: Linux, Git, Android, LATEX, ElasticSearch, Logstash, Kibana, Filebeat, Ansible

Education

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

Experience

| Present | LinkedIn Site Reliability Engineer (Site Operations Engineering Team | Bangalore |

| May -Aug, 18 | Red Hat, R&D Software Engineering Intern | Bangalore |

- Worked on Red Hat Satellite, Developed Satellite Log Data Analysis tool for log data indexed in ElasticSearch.
- Developed code and optimized its performance from more than 2.5 hrs run time to just 3 seconds.
- Worked on Red Hat Insights, wrote rules for Satellite.
- Worked on Berkeley Packet Filter.

| May -July, 17 | Hackr.io Web development Summer Intern at Hackr.io | |

Projects

| 2019 | Music playlist generation and recommendation | Ongoing |

Generate playlist according to user's taste of music using Content based Filtering.

- Developed Music Recommendation Algorithms based on Google's PageRank Algorithm.

| 2018 | Celestial bodies detection using Machine Learning | Major 1 |

Detect type of galaxies, planets, comets, stars, etc.

| 2018 | Personal Digital Assistant for Android | Minor 2 |

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 apps, start/stop timer, etc.

| 2017 | 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, Search anything on Google or YouTube.

Publication

| | Linux based Virtual Assistant in C Journal - IEEE Transactions on Computers | under review |

Open Source

| Google | Contributed at Google pytype and other repositories of Google | GitHub |
| aimacode | Code for the book "Artificial Intelligence: A Modern Approach" | GitHub |

- Implemented some well reputed algorithms of A.I.

	Successfully accomplished Hacktoberfest	GitHub
	Member of OpenGenus, Based in Japan	GitHub
	Collaborator and maintainer at Up For Grabs	GitHub