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	Bangalore

Site Operations Engineer (Site Reliability Engineering - Infra team)
- Developed Sentiment Analysis for LinkedIn tweets based on Convolutional Neural Networks using Tensorflow.
- Developed Omnibot (A slack bot used at LinkedIn) plugins to know POP and Fabric (colo) current status and also to tell the reason of failout.

May -Aug, 18	Red Hat, R&D	Bangalore

Software Engineering Intern
- 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.

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	under review
	Journal - IEEE Transactions on Computers	

Open Source

Google	Contributed at Google pytype and other repositories of Google	GitHub
aimacode	Code for the book "Artificial Intelligence: A Modern Approach" • Implemented some well reputed algorithms of A.I.	GitHub
	Successfully accomplished Hacktoberfest	GitHub
	Member of OpenGenus, Based in Japan	GitHub
	Collaborator and maintainer at Up For Grabs	GitHub