Ritwik Sharma

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Honors & Awards

- Earned several rewards at LinkedIn for good work and Collaborations
- 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
- Top 5 rank in a coding event "MINDSWEEPER" organized at IIT roorkee during Cognizance 2017

Extracurricular Activity

- Completed AI 200 (AI Academy) at LinkedIn
- Social Impact committee member at LinkedIn
- Member of Mentors Without Borders

Skills

Programming: *proficient* - Python
C, C++, Java

Deep Learning: Tensorflow

Web: PHP, HTML, CSS, XML

Others: Linux, Git, LaTeX, Logstash ElasticSearch, Kibana

Experience

clickable ↗

Mar 19 - Present · **LinkedIn** · Bangalore

Site Reliability Engineering - Infra team

∗ SenSus: A Deep Learning model based on the Convolutional Neural Network, trained on top of pre-trained word vectors (Word2vec). Part of an Internal Site for Sentiment Analysis of LinkedIn related tweets.
  - Developed using Tensorflow and achieves an accuracy of approx. 85% with as better as approx. 0.3 seconds per sentence evaluation time.

∗ Omnibot: A Slack bot based of Slack's Real Time Message API.
  - Developed Failout Status plugin which fetches the current traffic status of POPs (Point Of Presence) & Fabric/ Colo (Datacentre) by querying several APIs and self developed APIs to get current QPS, Buckets count, Failout ticket, Failout Time, etc.

∗ Site Health: Worked on SiteOps Site Health website.
  - Maintained and collaborated the Loadtest page and dashboard.
  - Developed a Loadtest login page where users can send response of recent Loadtest results such as Data center name, Pass/Fail, QPS target, etc.

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 BCC (Berkeley Packet filter Compiler Collection).

Open Source

Google	Contributed at Google pytype and other repositories of Google	GitHub
LinkedIn	Contributor at SchoolOfSRE	GitHub
aimacode	Code for the book "Artificial Intelligence: A Modern Approach"	GitHub
	• Implemented some well reputed algorithms of A.I.	
Since 2017	Collaborator and maintainer at Up-For-Grabs	GitHub

Projects

2018 · **Celestial bodies detection using Deep Learning** · Major 1

Transfer learning with an Inception v3 architecture model using TensorFlow that can be used to classify whether an image is of a Planet (Earth, Mercury, Mars, etc), Galaxy (Spiral, Elliptical, Irregular), Satellites, Comets, Etc.

2017 · **Virtual Assistant** · Minor 1

A linux based Virtual assistant on Artificial Intelligence in C
  - Uses simplified "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 · Volume-6, Issue-1

International Journal of Advance Research, Ideas and Innovations in Technology

Education

2015-2019 · **University Of Petroleum and Energy Studies (UPES)**

B.Tech. Computer Science & Engineering · Dehradun

Specialization in Open Source & Open Standards