Ritwik Sharma

Artificial Intelligence Enthusiast

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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
- Event organizer at Yugmak (a national event organized by CSI)
- HackerRank username: ritwik_1204

Skills

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

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)
- **SenSus**: A Deep Learning model based on the Convolutional Neural Network trained on top of pre-trained word vectors (Word2vec) 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 used at LinkedIn.
- 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.

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

MindsDB	Contributor at MindsDB	GitHub
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
Since 2017	Collaborator and maintainer at Up For Grabs	GitHub
2018 & 2019	Successfully accomplished Hacktoberfest	GitHub

Projects

2018 — **Celestial bodies detection using Deep Learning** — *Major 1*
TensorFlow Image Classifier that can be used to classify whether an image is of a Planet (Earth, Mercury, Mars, etc), Galaxy (Spiral, Elliptical, Irregular), Satellites, Comets, Etc.
- Simple transfer learning with an Inception v3 architecture model.

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 — Volume-6, Issue-1
International Journal of Advance Research, Ideas and Innovations in Technology