

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

Mar 19 - Present **LinkedIn**

Software Engineer - SRE

Site Health: A Website being used internally at LinkedIn for health status of different verticals such as traffic status, Issue Auditing, Load-test Dashboard and Service Mappings (Oracle, Espresso, Venice).

- Owns several parts of the site including Homepage.
- Added AFD (Azure Front Door) traffic and availability status.

Code Review: Owns code reviews and coding guidelines for the team in US and India.

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 Analyses of LinkedIn related tweets.

- Developed using Tensorflow and achieves an accuracy of 85%.

Omnibot: A Slack bot based on 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.
- Developed Dyno Analyses plugin to get ongoing and past Dyno tests. Dyno is a platform that utilizes available load balancing technologies, including ATS and D2 to determine the current capacity capability of that instance.

May - Aug, 18

Red Hat, R&D

Software Engineering Intern

- Worked on **Red Hat Satellite**, Developed **Satellite Log Data Analyses tool** using ELK stack for log data indexed in Elasticsearch.
- Worked on **Red Hat Insights**, wrote rules for Satellite.

Talks & Conference Presentations

ossna2022

Open Source Summit North America 2022

Austin, Texas

Intellectual Cognitive Development in Artificial Intelligence

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

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 used to classify images from Planets, Galaxies, Satellites, 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

Specialization in Open Source & Open Standards

Dehradun