

# Ritwik Sharma

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## Education

2015-2019

University Of Petroleum and Energy Studies (UPES)

- B.Tech. Computer Science & Engineering Specialization in Open Source & Open Standards

## Honors & Awards

- Earned rewards at LinkedIn for Ownership and Collaborations
- 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

## Extracurricular Activity

- Completed AI 200 (AI Academy) at LinkedIn
- Social Impact (CSR) core committee member at LinkedIn
- Co-leading LaunchIn with Trampoline Singapore.

## Skills

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

Others: Distributed Systems, System Design, Infrastructure, Networking, Linux, Git

## Experience

Oct 22 - Present [LinkedIn](#)

[clickable](#)

Bangalore

### Sr. Software Engineer - SRE

[gRPC](#): Next Generation Service Infrastructure - Collaborating with Service Infrastructure team

- Developed [gRPCurli](#) - a LinkedIn wrapper over [gRPCurli](#).
- Implemented some important features in [gRPCurli](#) such as RPC header, Datavault, D2 Proxy, and Streaming.
- Working on [gRPC](#) service exploration in Sceptre (Service Discovery - to discover, explore and experiment with [gRPC](#) resources and APIs).

[Ravens](#): Notification subscriptions via email, call, messages and slack for incidents.

[Site Health](#): Health status of different verticals such as traffic status, Issue Auditing, Loadtest Dashboard, Growth Dashboards and DB Mappings (Oracle, Espresso, Venice).

Mar 19 - Sep 22 [Software Engineer - SRE](#)

[SenSus](#): A Deep Learning model based on the CNN, 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) with current QPS, Buckets count, Failout ticket & time, etc.

May - Aug, 18

### Red Hat, R&D

Bangalore

### 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](#)

Since 2017

Collaborator and maintainer at [Up-For-Grabs](#)

[GitHub](#)

[LinkedIn](#)

Contributor at [SchoolOfSRE](#)

[GitHub](#)

[aimacode](#)

Code for the book "Artificial Intelligence: A Modern Approach" [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