

# Ritwik Sharma

Artificial Intelligence Enthusiast

- +91 8126445890
- ritwik.1204@gmail.com
- ritwik12
- ritwiksharma
- ritwik-sharma

## 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,  $\text{\LaTeX}$ , 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

- [Google AI](#) Contributor at [Exoplanet ML](#), part of [Google AI Research](#) GitHub  
[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" GitHub
  - Implemented some well reputed algorithms of A.I.
- 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