

AMARDEEP KUMAR

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WORK EXPERIENCE

Google Summer of Code (GSoC 19)

AOSSIE - Australian Open Source Software Innovation and Education

May 2019 – Aug 2019

- A Google Chrome extension to detect Toxic comments, Fake News and click-bait news on news websites and social media like Facebook and Twitter using AI.
- Skills used: Python, JavaScript, HTML, CSS, Flask, SQL-Alchemy (ORM), NLTK, Keras, NLP.
- Web link to official work product page.

Applied Research Intern

Genesys

May 2019 – July 2019 Hyderabad, India

- Implemented Passage ranking Algorithm to boost accuracy of in-house Question and Answer services model on some Client data sets.
- Machine reading comprehension using AllenNLP and replicating it to train and test their SOTA models on in-house Medical data. later proposed its integration with home grown Chat Bot.
- Skills used: Python, Spacy, Keras, LSTM, ELMo Embedding, allenNLP.
- Web link to Recommendation Letter.

PROJECTS

Microsoft AI challenge: implement passage Ranking Algorithm for Bing.

- Given a query and 10 potential answers, rank them to give a summarised answer.
- <https://www.kaggle.com/ad6398/msai-dl-imple>
- Skills Used: Python, NLTK, Keras, LSTM, ELMo and BERT word embedding.

Hike's ML challenge: Link Prediction on Hike's Social Network

- Designed a friend recommendation system for an active, real-world social network like Hike.
- <https://github.com/ad6398/Friend-Recommendation-Hikeathon>

Machine Reading of Indian Railway Complaints Letters

- To classify the complaint letters of Indian railways into different zones and departments based on the information provided in the complaints.
- <https://github.com/ad6398/RAILWAY-ML>
- Skills used: Python, SVM classifier, BeautifulSoup, Tweepy, NLTK.

EDUCATION

Bachelor of Technology,
Computer Science and Engineering
**Indian Institute Of Technology (ISM),
Dhanbad**

July 2016 – Present Dhanbad, India

Senior Secondary School (Science)
Hope Hall Foundation School, Delhi

2013 – 2015 New Delhi, India

SKILLS

- Languages: C, C++, Python, JavaScript
- Libraries: Keras, NLTK, Spacy, allenNLP
- Framework and Databases: Flask, MySQL, SQL-Alchemy
- Version control systems: Github, Gitlab
- **Deep Learning**
- **Natural Language Processing**

ACHIEVEMENTS

- Codechef: Division 1, rating 1997
https://www.codechef.com/users/ad_6398
- Microsoft AI challenge 2018: 28th/6000
- Hike-athon ML challenge 2018: 73rd /5389
- Joint Entrance Examination(Advanced) 2016: 2789th/1.5 million
- Joint Entrance Examination(Mains) 2016: 1123th /1.5 million
- Represented Kendriya Vidyalaya Sangathan in National Children Science Congress 2012-13.
- Scholarship awardee of 'Scheme for Young Scientists and Technologists', by Ministry of Science and Technology of India.

ROLES AND RESPONSIBILITIES

- Natural Language Processing Instructor at CyberLabs, Cyber Society of IIT(ISM) Dhanbad.
- Member of the Sponsorship Committee for RAIT-2k18.