HITKUL

E-mail: hitkuljangid@gmail.com
GitHub: github.com/Hitkul
Mob: +91 8814954817

EDUCATION

Indraprastha Institute of Information Technology, Delhi *2018 - Present*
PhD Scholar

BML Munjal University, Gurgaon *2014 - 2018*
B.Tech in Computer Science CGPA: 8.95/10

EXPERIENCE

Indraprastha Institute of Information Technology *January 2018 - Present*
Machine Learning Intern *Delhi*

- Intern under the supervision of Dr. Rajiv Ratn Shah. Worked on various social media analysis projects using NLP and Machine Learning.

TATA Steel Lmt. *June 2016 - July 2016*
Android Application Development Intern *Jamshedpur*

- Developed an Android application framework to parse XML files and deliver Standard Operation Procedures to employees. Deployed 2 Apps on Google Play Store.

RESEARCH PROJECTS

Aspect-Based Financial Sentiment Analysis using Deep Learning *FiQA, WWW, Lyon, April 2018*
Hitkul, Shivangi Singhal, Rajiv Ratn Shah, Roger Zimmermann

- Aspect-Based sentiment analysis of financial tweets and headlines.
- Paper is available at - https://dl.acm.org/citation.cfm?id=3191827

#phramacovigilance - Exploring Deep Learning Techniques for Identifying Mentions of Medication Intake from Twitter
Debanjan Mahata, Jasper Friedrichs, Hitkul, Rajiv Ratn Shah

- A system to classify if a tweet mentions any personal intake of medication or not.
- Paper is available at - https://arxiv.org/abs/1805.06375

A Comparative Study of Machine Learning Algorithms for Prior prediction of UFC Fights *ICHSA, Gurgaon, Febuary 2018*
Hitkul, Karmanya Aggarwal, Neha Yadav, Maheshwar Dwivedy

- Comparing performance of machine learning algorithms for predicting winner of UFC fights. Dataset we built got featured on kaggle.
- Paper will be available soon in - https://www.springer.com/us/book/9789811307607

Dr Maheshwar Dwivedy
Research Assistant

- Developed Multi-Objective Genetic Algorithms for optimization problems using python, numpy and matplotlib.

Algorithm Vision: Review and Application *NCETCSIS, Delhi, March 2015*
Hitkul, Sunil Gupta

· Review paper on algorithms at "National Conference on Emerging Trends in Computer Science and Information Systems -2015".

PROJECTS

Dynamic Pricing *September 2017-December 2017*

· Created a Demand prediction model with 91% accuracy and a customer clustering model using ARIMA, k-means, fbprophet, Scikit-learn, pandas and matplotlib in python.

Student Registration System *December 2016*

· Course registration web application for BML Munjal University.

Mitti *April 2016*

· Augmented Reality based art installation that mapped topographical maps to sand in real time.

Party Rock Dharuhera *April 2016*

· Large interactive art installations that involved hundreds of Watts of LEDs, sensor arrays and audio.

Code Plagiarism *March 2016*

· Built script to detect code plagiarism using Robin Karp rolling hash functions and windowed fingerprinting. Implemented in Java.

BMUpoll *December 2015*

· It is an Android application which allows students to give anonymous feedback on university policies.

LED Cube *April 2015*

· A cube of LEDs programmable to light up in different patterns.

TECHNICAL STRENGTHS

Languages

· Python, C++, C, Java, LaTeX

Libraries and Frameworks

· Keras, Scikit-learn, Tensorflow, OpenCV, NLTK, Spacy, Numpy, Pandas, Matplotlib, Seaborn, Android

REFERENCES

- Dr. Rajiv Ratn Shah, Assistant Professor, IIIT-Delhi, rajivratn@iiitd.ac.in
- Dr. Debanjan Mahata, Senior Machine Learning Engineer, Bloomberg LP, debanjanmahata85@gmail.com
- Dr. Ponnurangam Kumaraguru (PK), Associate Professor, IIIT-Delhi, pk@iiitd.ac.in
- Mr. Zia Ahmad, Senior Manager, Tata Steel, zia.ahmad@tatasteel.com