• ankeshanand

Education

• Indian Institute of Technology, Kharagpur

Integrated M.Sc. in Mathematics and Computing, CGPA (8.44/10)

Kharagpur, India *2011 - 2016*

Publications

- We used Neural Networks to Detect Clickbaits: You won't believe what happened Next! (arxiv) Ankesh Anand, Tanmoy Chakraborty, Noseong Park
 Accepted, To Appear: European Conference on Information Retrieval (ECIR), 2017
- FairScholar: Balancing Relevance and Diversity for Scientific Paper Recommendation Ankesh Anand, Tanmoy Chakraborty, Amitava Das Accepted, To Appear: European Conference on Information Retrieval (ECIR), 2017

Research Projects

• Deep Neural Networks for Detecting Clickbaits

Advisors: Prof. Noseong Park, UNC Charloette

- Deceloped a Bi-directional LSTM architecture for detecting clickbaits using distributed word embeddings and character embeddings generated via 1-D Convolutional Neural Networks
- Experimental results on a dataset of news headlines show that our model outperforms existing techniques for clickbait detection with an accuracy of 0.98 and ROC-AUC of 0.99
- Predicting Helpfulness of online Product Reviews

Advisors: Prof. Pawan Goyal, IIT Kharagpur

- Used a combination of structural and semantic properties of text such as informativeness, readability, emotions etc. to predict helpfulness of online product reviews
- Trained an LSTM based Recurrent Neural Network over word embeddings of reviews to further improve accuracy of prediction results
- Extracting information and user behavior on Twitter during Disaster events Advisors: Prof. Pawan Goyal, IIT Kharagpur
 - Developed an SVM based classifier that segregates tweets into situational, opinions, political and relief classes with an 80-85% in-event and 75-80% cross-event accuracy
 - Analyzed the tweet patterns and user behavior in multiple languages that led to interesting insights.
- FairScholar: Balancing Relevance and Diversity for Scientific Paper Recommendation Advisors: Tanmoy Chakraborty, IIT Kharagpur
 - Developed a scientific paper search engine to provide a diverse set of results over a collection of 3 million papers.

- Performed keyword expansion to ensure that the semantically correlated articles are also included in the results.
- Leveraged reinforced random walks on a citation graph to balance prestige and diversity among search results.

Work Experience

VISA Inc. Bangalore, India Software Engineer August 2016-Present

Full stack development for the VISA Developer Platform

HackerEarth Bangalore, India May-July 2015

Backend Engineering Intern

- Developed a new problem recommendation engine for HackerEarth, built resume parsing services and a real-time notification system for end-users.

Google Summer of Code

Remote

Student Developer

May-August 2015

- Built an online analytics platform for BRL-CAD which provides aggregated analytics for logs and performance metrics collected across different machines and platforms.

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Honors and Awards

- Hult Prize, 2015: Regional Finalist at the Hult Prize 2015 in Dubai: the worlds largest student competition for social entrepreneurship
- Penn Apps, 2016: Finalist at PennApps Spring 2016, America's largest collegiate hackathon.
- Inter IIT Tech Meet, 2015: Winner of the OpenSoft contest for developing an Android app that makes Information accessible to areas with low connectivity using Wifi P2P networks.
- Students Gymkhana, IIT Kharagpur: Technology Coordinator at the Students Gymkhana, IIT Kharagpur for the session 2013-14
- Scholarships: Recipient of the NTSE (National Talent Search Examination) scholarship (2009-11) awarded by NCERT, India and the INSPIRE Scholarship (2012-16) awarded by the Department of Science and Technology India.

Technical Skills

• Programming Languages:

- **Proficient:** Python, JavaScript, C++

- Intermediate: Java, MATLAB

• Machine Learning Libraries: Keras, TensorFlow, Theano, scikit-learn, NLTK, Pandas

• Web Development: Django, Flask, NodeJS, ReactJS, HTML5, CSS3, MySQL