Rohan Mishra

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Education

Delhi Technological University   New Delhi
B. Tech Software Engineering CGPA: **8.72**   2015 - 2019

DAV Public School   Bhubaneswar
AISSCE(Class XII) Percentage: **96.4%**   2015

VEM School   Bhubaneswar
ICSE(Class X) Percentage: **95.8%**   2013

Work Experience

Citi   Pune
Graduate Analyst   August 2019 | Present
- Designed, developed and deployed OpsRecon: a product used for enhancement and optimization of the cash and stock reconciliation process pertaining to Securities Business.
- Developed pipelines and evaluated models for Daedalus: a predictive analytics tool using NLP to assess ongoing production issues.
- Working on problems related to Trade Settlement. Developing models for Settlement Failure Prediction and Anomaly Detection.

MIDAS Lab, IIIT-Delhi   New Delhi
Undergraduate Researcher   Sept 2018 | Aug 2019
- Worked under **Dr. Rajiv Ratn Shah** on Social Media analysis related to varied tasks.
- Collaborated with **Bloomberg Research** on a project related to Suicide Ideation Detection.

Publications

#suicidal-A Multipronged Approach to Identify and Explore Suicidal Ideation in Twitter
Pradyumn Sinha, Rohan Mishra, , Ramit Sawhney, Debanjan Mahata, Rajiv Ratn Shah and Huan Liu. (Accepted at **CIKM '19**)

Cascading Author Profiling and Social Network Graphs for Suicide Ideation Detection on Social Media
Rohan Mishra, Pradyumn Prakhar Sinha, Ramit Sawhney, Debanjan Mahata, Puneet Mathur and Rajiv Ratn Shah. (Accepted at **NAACL-SRW '19**)

Investigating Political Herd Mentality: A Community Sentiment based Approach
Anjali Bhavan, Rohan Mishra, Pradyumna Prakhar Sinha, Ramit Sawhney and Rajiv Ratn Shah (Accepted at **ACL-SRW '19**)

Research

Representation of Code and Analysis
- Major Project under **Dr. Ruchika Malhotra**, Associate Professor, DTU.
- Leveraging AST paths to learn representations for code for the tasks of code analysis and generation.

Speaker Recognition by using GMM
- Minor project under **Dr. Ruchika Malhotra**, Associate Professor, DTU.
- Extracted MFCC Features and used Gaussian Mixture Models for speaker recognition.

Academic Achievements

- Department Rank **2** for the sixth semester with a GPA of **9.55**.
- Secured a **state rank of 8** in AISSCE 2015.
- Secured an All India Rank of 2975(**99.75 percentile**) in JEE Mains 2015.
- Awarded for being **School Topper** in Class X

Projects

Lip Reader
Used transfer learning to build a model that generated text to aid deaf people by performing lipreading. Implemented the finetuned model and ported it to an Android Application with a Flask Backend.

Gawker
Implemented a suite of PWAs to help organize hackathons.
Won 2nd Prize at t-Hacks, DTU organized by IEEE-DTU.

PlayControl
Developed a Chrome Extension to control playback speed across all HTML5 Video Players such as Youtube, Facebook etc.