

ROHAN MISHRA

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EDUCATION

University of California, San Diego Masters in Computer Science	San Diego 2022-2024(expected)
Delhi Technological University Bachelors in Technology, Software Engineering CGPA: 8.72	New Delhi 2015 - 2019
DAV Public School AISSE(Class XII) Percentage: 96.4%	Bhubaneswar 2015

WORK EXPERIENCE

Taktile <i>Software Engineer</i>	Berlin September 2021 - August 2022
<ul style="list-style-type: none">• Optimised servers used for ML Inference to reduce memory usage by up to 85%.• Led a pilot with a customer by designing and implementing PoC, eventually onboarding them and increasing the ARR by 35%.• Designed and implemented an OAuth authentication and RBAC-based authorization service.	
Citi <i>Software Engineer</i>	Pune August 2019 - August 2021
<ul style="list-style-type: none">• Designed and developed an internal Machine Learning platform and set up inference pipelines for problems related to Trade Settlement Analysis and Counterparty Risk Anomaly Detection.• Designed developed and deployed a product for optimizing the cash and stock reconciliation process for Securities Business, reducing the turnaround time by an order of magnitude.• Developed pipelines and evaluated models for MIM Analysis Tool: a predictive analytics tool to ascertain possible causes for Major Incidents.	
MIDAS Lab, IIIT-Delhi <i>Undergraduate Researcher</i>	New Delhi Oct 2018 - Jul 2019
<ul style="list-style-type: none">• 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.	
Citi <i>Summer Analyst</i>	Pune May 2018 - July 2018
<ul style="list-style-type: none">• Developed an automation framework to track changes made in production servers generating weekly reports.	

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
<ul style="list-style-type: none">• Major Project under Dr. Ruchika Malhotra, Associate Professor, DTU.• Leveraged AST to learn representations of code for the tasks like code analysis and generation.
Speaker Recognition by using GMM
<ul style="list-style-type: none">• 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