

# ROHAN MISHRA

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## EDUCATION

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

## WORK EXPERIENCE

<b>Taktile</b>   <i>Software Engineer</i> <ul style="list-style-type: none"><li>Optimised servers used for ML Inference to reduce memory usage by upto 85% .</li><li>Led a pilot with a customer by designing and implementing PoC, eventually onboarding them increasing the ARR by 35%.</li><li>Designed and implemented an OAuth authentication and RBAC-based authorization service.</li></ul>	Berlin   September 2021 - August 2022
<b>Citi</b>   <i>Software Engineer</i> <ul style="list-style-type: none"><li>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.</li><li>Designed, developed and deployed a product for optimizing the cash and stock reconciliation process pertaining to Securities Business, reducing the turnaround time an order of magnitude.</li><li>Developed pipelines and evaluated models for MIM Analysis Tool: a predictive analytics tools to ascertain possible causes Major Incidents.</li></ul>	Pune   August 2019 - August 2021
<b>MIDAS Lab, IIIT-Delhi</b>   <i>Undergraduate Researcher</i> <ul style="list-style-type: none"><li>Worked under <b>Dr. Rajiv Ratn Shah</b> on Social Media analysis related to varied tasks.</li><li>Collaborated with <b>Bloomberg Research</b> on a project related to Suicide Ideation Detection.</li></ul>	New Delhi   Oct 2018 - Jul 2019
<b>Citi</b>   <i>Summer Analyst</i> <ul style="list-style-type: none"><li>Developed an automation framework to track changes made in production servers generating weekly reports.</li></ul>	Pune   May 2018 - July 2018

## PUBLICATIONS

<b>#suicidal-A Multipronged Approach to Identify and Explore Suicidal Ideation in Twitter</b> Pradyumn Sinha, Rohan Mishra, , Ramit Sawhney, Debanjan Mahata, Rajiv Ratn Shah and Huan Liu. (Accepted at <b>CIKM '19</b> )
<b>Cascading Author Profiling and Social Network Graphs for Suicide Ideation Detection on Social Media</b> Rohan Mishra, Pradyumn Prakhar Sinha, Ramit Sawhney, Debanjan Mahata, Puneet Mathur and Rajiv Ratn Shah. (Accepted at <b>NAACL-SRW '19</b> )
<b>Investigating Political Herd Mentality: A Community Sentiment based Approach</b> Anjali Bhavan, Rohan Mishra, Pradyumna Prakhar Sinha, Ramit Sawhney and Rajiv Ratn Shah (Accepted at <b>ACL-SRW '19</b> )

## RESEARCH

<b>Representation of Code and Analysis</b> <ul style="list-style-type: none"><li>Major Project under <b>Dr. Ruchika Malhotra</b>, Associate Professor, DTU.</li><li>Leveraging AST paths to learn representations for code for the tasks of code analysis and generation.</li></ul>
<b>Speaker Recognition by using GMM</b> <ul style="list-style-type: none"><li>Minor project under <b>Dr. Ruchika Malhotra</b>, Associate Professor, DTU.</li><li>Extracted MFCC Features and used Gaussian Mixture Models for speaker recognition.</li><li>Developed a web application for demonstration.</li></ul>

## 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