

SHRAVIKA MITTAL

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EDUCATION

Indraprastha Institute of Information Technology, Delhi B.Tech. (Hons.) in Computer Science and Engineering, 2020	CGPA - 9.77
Delhi Public School, R.K.Puram CBSE 12th Boards, 2016	Percentage - 96%
Delhi Public School, Noida CBSE 10th Boards, 2014	CGPA - 10

WORK EXPERIENCE

Software Development Engineer, Adobe India <ul style="list-style-type: none">Part of Adobe Illustrator team.Developing Illustrator on iPad.	Aug 2020 - Present
Product Intern, Adobe India <ul style="list-style-type: none">Part of Adobe Illustrator team Worked in collaboration with Adobe Research San Francisco.Built a new feature for Illustrator to create a meaningful hierarchy of vector art automatically.	May 2019 - Jul 2019
Undergraduate Researcher LCS2 Lab, IIIT-Delhi <ul style="list-style-type: none">Hide and Seek: Outwitting community detection algorithms [Github]<ul style="list-style-type: none">Advisor - Dr. Tanmoy ChakrabortyB.Tech. Thesis Devised a model to hide a target community from community detection algorithms.Under review at IEEE Transactions on Computational Social Systems.Dynamics of node influence in network growth models [Github]<ul style="list-style-type: none">Advisors - Dr. Tanmoy Chakraborty and Dr. Siddharth PalStudied characteristics of influential nodes in different network growth models.Under review at IEEE Transactions on Network Science and Engineering.Twitter retweet cascade prediction using content, network, and exogenous signals<ul style="list-style-type: none">Advisors - Dr. Tanmoy Chakraborty and Dr. Soumen ChakrabartiPredicted the growth of retweet cascades on Twitter using deep learning.Under review at The Web Conference, 2021.	Jan 2019 - Present
Undergraduate Researcher PAG Lab, IIIT-Delhi <ul style="list-style-type: none">Advisor - Dr. Rahul PurandreDevised a deep learning framework for scalable and accurate detection of semantic clones.	Aug 2019 - Dec 2019
Research Intern, IBM Research India [HT News] [Quartz] [Github] <ul style="list-style-type: none">Advisor - Ms. Nishtha MadaanDetected gender bias in plots of books shortlisted for Man Booker's Prize.	Jun 2018 - Dec 2018
Summer Intern, IIIT-Delhi <ul style="list-style-type: none">Advisor - Dr. Pushpendra SinghRanked Computer Science Institutes in India based on their Research Publications.	May 2018 - Dec 2018
Scholar, Rails Girls Summer of Code [Blog 1] [Blog 2] [Twitter] <ul style="list-style-type: none">Youngest Team worldwide - 276linesofCode Worked on Tessel.One of the top 16 Sponsored Teams selected from a total of 192 worldwide.	Jul 2017 - Sep 2017

PUBLICATIONS

- Brihi Joshi, **Shravika Mittal**, Aditya Chetan. Did You Read the Next Episode? Using Textual Cues for Predicting Podcast Popularity. In NLP4MusA Workshop at ISMIR, 2020. [ACL Anthology](#)

- **Shravika Mittal**, Tanmoy Chakraborty, Siddharth Pal. Dynamics of node influence in network growth models. [arXiv:2009.00235 \[cs.SI\]](#) (Under review at IEEE Transactions on Network Science and Engineering.)
- Subhabrata Dutta, **Shravika Mittal**, Dipankar Das, Soumen Chakrabarti, Tanmoy Chakraborty. Incomplete Gamma Integrals for Deep Cascade Prediction using Content, Network, and Exogenous Signals. (Under review at The Web Conference, 2021.)
- **Shravika Mittal**, Debarka Sengupta, Tanmoy Chakraborty. Hide and Seek: Outwitting Community Detection Algorithms. (Under review at IEEE Transactions on Computational Social Systems.)
- Aman Roy, **Shravika Mittal**, Tanmoy Chakraborty. MG2Vec+: A Multi-headed Graph Attention Network for Multigraph Embedding. (Under review at Knowledge and Information Systems, Springer.)
- Nishtha Madaan, Sameep Mehta, **Shravika Mittal**, Ashima Suvarna. Judging a Book by its Description: Analyzing Gender Stereotypes in the Man Booker Prize Winning Fiction. [arXiv:1807.10615 \[cs.CL\]](#)

SOCIAL IMPACT + MENTORING

Research Guide - LCS2 Lab, IIIT-Delhi	Aug 2020 - Present
<ul style="list-style-type: none"> • Guiding 3 students on a research project Bias in community detection algorithms. 	
Teaching Assistant - Semantic Web, IIIT-Delhi	Jan 2020 - May 2020
<ul style="list-style-type: none"> • Mentored 110 students Graduate level course Prepared quizzes and assignments. 	
Teaching Assistant - Foundations of Finance, IIIT-Delhi	Aug 2019 - Nov 2019
<ul style="list-style-type: none"> • Mentored 100 students Conducted quizzes and tutorials. 	
Teaching Assistant - Graph Theory, IIIT-Delhi	Jan 2019 - Apr 2019
<ul style="list-style-type: none"> • Mentored 104 students Conducted 11+ tutorials and 5+ doubt sessions. 	
Coach, Rails Girls Summer of Code	Jul 2018 - Sep 2018
<ul style="list-style-type: none"> • Mentored Team Delsquared Worked on Tessel. 	
Mentor, Government Girls Secondary School, New Delhi	May 2018
<ul style="list-style-type: none"> • Counselling 60 girls to take up STEM subjects in high school. 	
Community Work Volunteer, UDAAN (NGO)	May 2017
<ul style="list-style-type: none"> • Taught basics of Computer Science to 15 students with special needs. • Made Android Application - FUEL which won best in Codesprint by Google. 	

TALKS DELIVERED

• Junior-Senior interaction with students of CSE branch at IIIT-Delhi	2020
• Introductory session on Rails Girls Summer of Code Women in Tech, IIIT-Delhi	2019
• Introductory session on Rails Girls Summer of Code Byld, IIIT-Delhi	2018
• Tutorial on Open CV Women Who Code, Delhi	2017
• Tutorial on Tessel Women Who Code, Delhi	2017

CODING COMPETITIONS

• Code Jam to I/O Rank - 280	2019
• Code Jam to I/O Rank - 296	2018
• Codechef Long Challenges User-handle - shravika27	2017

PROJECTS

Podpop [Paper] [Poster] [Video]	May 2020 - Jul 2020
<ul style="list-style-type: none"> • Deep learning framework to predict the popularity of podcasts using cues from textual content. • Published at NLP4MusA workshop, part of ISMIR 2020. • Independent research with fellow undergrads. 	

ViDraw	Aug 2019 - Nov 2019
<ul style="list-style-type: none"> • Android Application on Real-Time Video Augmentation. • Course project for Mobile Computing. 	
Household Poverty Level Prediction [Report]	Jan 2019 - Dec 2019
<ul style="list-style-type: none"> • Kaggle Competition Statistical Machine Learning course project. • Model to predict the poverty level of a household. 	
Google Analytics Customer Revenue Prediction [Report]	Aug 2018 - Nov 2018
<ul style="list-style-type: none"> • Kaggle Competition Machine Learning course project. • Model to predict revenue generated by users hitting the GStore website. 	
Feature-based online review summarization of e-commerce products	Aug 2018 - Nov 2018
<ul style="list-style-type: none"> • Natural Language Processing course project. 	
Moodify [Github]	Aug 2017
<ul style="list-style-type: none"> • Android Application for a hackathon by Byld Won the first prize. • Suggests songs based on the mood of the User. 	
iDabba [Github] [Poster] [Blog]	Jan 2017 - Apr 2017
<ul style="list-style-type: none"> • Smart Container to update user about the ambient conditions and contents of it. • Uses Computer Vision frameworks like SIFT, HAAR classifiers, and Microsoft Vision API on top of humidity, temperature, and weight sensors to monitor ambient conditions. • Among the top 10 projects in the course and mentioned in the Director's blog. 	

AWARDS AND ACHIEVEMENTS

Awarded Chancellor's Gold Medal for the best academic performance in batch	2020
Invited for the Republic Reception at the Lt. Governor's residence	2020
Awarded Dean's List of Academic Awards	2019
Won Google WTM Scholarship for APAC region	2019
Awarded Dean's List of Academic Awards	2018
Awarded Dean's List for Innovation in Research and Development	2017
Awarded Dean's List of Academic Awards	2017
JEE Mains, All India Rank - 3087	2016
Awarded Gold Medal for academic excellence in 11th	2015
DELFI A1 - Diploma in French, Percentage - 96%	2014
NTSE, Reached Stage 2, Top 572 students among 2.5 lakh	2011

EXTRA CURRICULAR

Participant, RIISE Presented undergraduate thesis at Research Showcase, IIIT-Delhi	2020
Volunteer, ACSS Workshop on AI for Computational Social Systems	2019
Member, Women in Tech Club initiated by past WTM scholars at IIIT-Delhi	2018
Event Head, Darwin Games IIIT-Delhi's Tech festival - Esya	2017
Member, Byld IIIT-Delhi's Software Development Club	2017
Founding Member, Women Who Code Delhi	2016
Member, Audiobytes IIIT-Delhi's Music Club	2016
Volunteered in Esya FOQS (a photography event - 100 participants)	2016
Attained Visharad degree in Indian Vocal and Instrumental from Prayag University	2015