
EDUCATION

- **Indraprastha Institute of Information Technology, Delhi** New Delhi, India
B. Tech., Computer Science and Applied Mathematics; CGPA: 8.86 *Aug. 2016 – Present*
- **Lal Bahadur Shastri Sr.Secondary School, New Delhi** New Delhi, India
High School; Percentage: 94.8% *2014 – 2016*

RESEARCH EXPERIENCE

- **Laboratory for Computational Social Systems (LCS2)** New Delhi, India
Undergraduate Researcher *Jan 2018 - Present*
 - **Understanding adversarial collusive activities in OSNs:**
Advised by: Dr. Tanmoy Chakraborty
 - * Worked on detecting collusive retweeters on Twitter, focussing on users of freemium services
 - * Curated an open dataset of manually annotated users from various freemium services
 - * Proposed a novel set of features for detection and tested its effectiveness on several machine learning models
 - * Paper submitted for review at ASONAM 2018
 - * **Keywords:** *Machine Learning, OSNs, Data Science*
- **IBM India Research Laboratory** New Delhi, India
Undergraduate Researcher *Nov 2017 - Present*
 - **Persuasive Style Transfer:**
Advised by: Dr. Deepak Padmanabhan (QU, Belfast)
 - * Detecting and removing “persuasiveness” quality in political speeches.
 - * Using embedding techniques like `doc2vec` and `word2vec` to cluster speeches and judge clustering purity
 - * Developing a robust model to remove “persuasive” quality from speeches
 - * **Keywords:** *NLP, Machine Learning, Deep Learning*
 - **Occupational Debiasing [code]:**
Advised by: Dr. Sameep Mehta
 - * Developed a system for detecting Occupational Gender Bias in text, taking into account the influence of demography and time-frame.
 - * Developed and curated a dataset comprising of various occupation names and occupational evidences.
 - * Proposed a pipeline that detects potential gender bias in occupations.
 - * **Keywords:** *NLP, Machine Learning, Flask*
- **Datta Meghe Institute of Medical Sciences (D. U.)** Wardha, India
Undergraduate Researcher *Jan 2017 - Present*
 - **Evaluation of Emotional Intelligence and impact analysis of Remedial Counseling:**
Advised by: Dr. Rajesh Jha
 - * Analyzed different statistical approaches such as t-testing, etc. to acquire insights from stress level data of students
 - * Proposed counselling solutions on the basis of the results of the analysis
 - * Following Papers are ongoing publication :
 - Evaluation of stress levels of learners of Health Sciences by stress scale inventory
 - Evaluation of stress level of learners of MBBS, BDS, Nursing and Ayurveda courses by Higher Education stress inventory
 - Comparison of stress levels of learners by Stress-scale inventory and Higher-education stress inventory; Modulation by remedial counselling
 - Evaluation of impact of lifestyle modifications on stress level of learners of health sciences
 - * **Keywords:** *Data Science, Psychology, Remedial Counselling*

WORK EXPERIENCE

Microsoft India

Hyderabad, India

June 2017 - July 2017

• Global Delivery Intern

◦ Member of the Emerging Capabilities group:

- * Worked on developing and integrating chat-bots into the workflow of the MS Sales team, to help handle clients
- * Learned in detail about C#, the .NET framework and MVC framework to develop web apps using Agile methodology
- * Developed an FAQ chat-bot for new hires of my team from scratch
- * Learned how to use Azure Cloud Services to deploy apps and gained experience in troubleshooting deployed apps
- * **Keywords:** *Chat-bots, Microsoft Bot Framework, Microsoft Azure, Agile, C#, .NET*

PROJECTS

◦ IEDatron [demo][poster]:

- * This project aims to improve a humans ability to control a robot, through a robot that copies its actions
- * Uses Computer Vision techniques with Microsoft Kinect v1.8, and controlled with the help of Arduino Mega, HC-05 Bluetooth module and Servo brackets
- * Was amongst the top 10 projects in the first-year batch and received a mention in the Directors blog [\[link\]](#)
- * **Keywords:** *Computer Vision, Robotics, IoT*

◦ Learn My Way [code]:

- * A peer learning system packaged as an Android app to ease sharing of academic resources amongst students
- * Consists of an upvote-downvote system for moderation to allow uploaders to tag resources into categories to ease searching
- * **Keywords:** *Android, Mobile-apps, peer-learning*

◦ Chain Reaction [code]:

- * A JavaFX-based MacOS application based on the famous Android-based game
- * Includes features like undo, resume and multiplayer mode
- * **Keywords:** *JavaFX, GUI, MacOS, Java, Object-oriented programming*

SKILLS

◦ Languages: Python, Java, C#, C++, Go

◦ Tools & Technologies: Flask, JQuery, git, Sci-kit Learn, NLTK, NumPy, SpaCy, MS Visual Studio, MATLAB, MVC

CO-CURRICULAR ACTIVITIES

◦ Volunteering:

- * **IIITD Summer Camp 2017:** Was part of the volunteer group of the annual Summer camp at IIIT Delhi, where middle-school children from Govt. schools are introduced to different concepts in Mathematics, Computer Science, General studies, etc. and counselled about their future career prospects. This initiative was applauded by the Govt. of New Delhi. [\[link\]](#)
- * **D. M. I. M. S. (D. U.), Wardha:** Participated as a Research Officer and info-material provider in a documentary film - *Bridging the Gaps*

◦ Talks:

- * **Mathematics of ML:** An DIY talk to demonstrate the mathematics behind basic machine learning models. Delivered at a WWCD meetup. [\[notebook\]](#)
- * **Maths in L^AT_EX:** A short talk on how to use L^AT_EX for writing mathematical content delivered at the Évariste Mathematics club at IIIT Delhi. [\[slides\]](#)

◦ Clubs

- * Founding member of the Évariste Maths club at IIIT Delhi. Link to the club's ideation doc: [\[link\]](#)