

EDUCATION

- **Georgia Institute of Technology, Atlanta**
Masters in Human Computer Interaction, August 2019 - Present
 - **Indraprastha Institute of Information Technology (IIITD), Delhi** GPA: 8.41/10
Bachelor of Technology, Computer Science, August 2015 - May 2019
 - **Delhi Public School, Rohini, New Delhi**
Percentage: 97.2%
Senior Secondary Education, March 2015
 - **Delhi Public School, Rohini, New Delhi** GPA: 9.6/10
Secondary Education, March 2013
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SKILLS

- **Programming Languages:** Python, C++, C, C#, Java, SQL, MongoDB, HTML, CSS, Flask, Javascript, TypeScript
 - **Platforms and Technologies:** Unity, Android SDK, Onshape, AWS, Firebase, Photoshop, Illustrator
 - **Technical Electives:** Wearables, Designing Human Centered Systems, Privacy and Security in Online Social Media, Statistical Machine Learning, Introduction to Media Computing, Embedded Logic Design, Theory of Computation, Graph Theory, Competitive Programming, Discrete Mathematics, Computer Networks, Introduction to Media Computing, Valuation and Portfolio Management
 - **Interest Areas:** Human Computer Interaction, Data Science
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PROJECTS

- **VirtualBricks** *June 2017 - September 2018*
In a team of 5, we created a toolkit which allows VR developers to build a physical-manipulation enabled controller of any shape or size. We developed customized blocks with features of rotation, translation, stretch, etc. compatible with Lego blocks. This work has been accepted at ACM CHI Conference on Human Factors in Computing Systems 2019.
- **MultiModal Fake News Detection** *January 2018 - November 2018*
In a team of 3, we worked on Fake News detection by integrating multiple modalities such as text, images, video, etc. in a single model. Our model is designed to classify news using only content which makes it applicable to all online social networks and instant messaging platforms. This work is under review at the 2019 Annual Conference of the North American Chapter of the Association for Computational Linguistics.
- **Jamoor** *September 2018*
In a team of 2, we built a robot which can be controlled using music and speech. Each command of the robot has two components - the action to be performed (speech detection - story) and the way the action will be performed (emotion detection - music). This work was presented at 31st ACM User Interface Software and Technology Symposium (UIST) held in Berlin, Germany and is covered in many national media outlets like The Indian Express, The Economic Times, The Hindu.
- **Mime** *January 2018 - Present*
In a team of 4, we are developing a platform which empowers people who lack photo/video editing skills to become a part of the meme conversation. We have built a one-stop solution for all meme needs - a maker space where people can create memes, a personalized meme feed, and a space to connect with other meme enthusiasts. We are launching the platform in the last week of January 2019.
- **Delhi Traffic Optimization** *December 2017 - Present*
In a team of 3, we're working on a project in collaboration with the Delhi Traffic Police which aims to automate parts of the traffic management process. Our project is two-fold, automating congestion detection using online APIs and augmenting the information available to the local traffic cop by providing a real-time traffic analysis.
- **AutoVend** *September 2017 - December 2017*
In a team of 3, we built a vending machine which aims to improve the customer experience while purchasing food items. To purchase a food item, a user has to press a button in his/her app to unlock the fridge and can walk away with the food. We detect the object (taken by the user) using RF Tags and Cameras and bill the user automatically. AutoVend is deployed in front of the hostel at our university where about 20 food items are sold every day.
- **Intern, Ernst and Young, Gurgaon** *May 2017 - June 2017*

Robotic Process Automation: In a team of 2, created and deployed a prototype for a Chatbot which was used to measure employee satisfaction (in an office of about 1000 employees); built Alexa skills using AWS Lambda to trigger financial automation processes; and performed market research to identify players in the industry who proliferate technology.

Risk Advisory: Supported data analytic using SQL as part of revenue assurance project for leading coaching institute in India.

- **Braille Printer**

January 2016 - April 2016

Created a prototype of a Braille printer in a team of 4; the printer could print (in braille) any text it received via Bluetooth. We made a 3-axis CNC using old CD drives. The total cost of our printer was only Rs. 300 (<\$5). We won the best project award out of 48 teams and were selected for showcase in Delhi Mini Maker Faire '16.

POSITION OF RESPONSIBILITY

- **Teaching Assistant, IIITD, Delhi**

Responsible for conducting tutorials and lab exercises for batches of 20-30 students for the following courses: (1) Introduction to programming, (2) Java Module, and (3) Data Structures and Algorithms. I am currently a TA for an online course- Privacy and Security on Online Social Media on the NPTEL platform taken by more than 3000 students.

- **Mentor, Student Mentorship Program, IIITD**

August 2017 - Present

Responsible for onboarding and ensuring a smooth transition for eight first-year students concerning studies, workload, cultural ecosystem and exposure. I help them overcome a diverse set of issues by assisting them to set targets, celebrate small wins and lean in to maximize their potential

- **Administrator, Ink (Design Club), IIITD**

August 2017 - September 2018

Responsible for managing various affairs of the club and conducting intra and inter-university events; design head for college magazine, Kaleidoscope. Member since March '16.

EXPERIENCE

- **Nishulk Shiksha Kendra, New Delhi**

Since May 2014

Teach underprivileged kids in a free tuition center on weekends during summer break. I teach Science, Mathematics, Computers, English (depending on need and availability of volunteers) to students of classes 5-10.

- **Exchange student, International Exchange Program, La Tour-du-Pin, France**

October 2013

Attended Lycée Elie Cartan (school) for two weeks where I studied various subjects and gained an insight into the french culture.

- **Participant, NASA, Houston, Texas**

June 2011

Visited the Johnson Space Centre, NASA's Neutral Buoyancy Lab (won the competition for fastest project assembly) , and Kennedy Space Center for educational tours; participated in educational activities like making a prototype of a mars rover using servo motors, a prototype landing gear for safe landing an egg, etc.