

# Varnit Jain

User Experience Engineer

varnitjain.in  
varnit@gatech.edu  
+1.470.452.9990  
linkedin.com/in/varnitjain

## Objective

I am looking for an internship for summer 2020 that will challenge me to solve everyday problems using creative solutions while enabling me to contribute, learn, and grow. My background in HCI and CS enables me to understand user needs and build technological opportunities that will help solve them.

## Education

**Georgia Institute of Technology**  
MS in Human-Computer Interaction  
Expected Graduation: May 2021

**Indraprastha Institute of Information Technology (IIITD)**  
BTech in Computer Science  
August 2015 - May 2019

## Skills

### Development

Python	Android Studio
C++	Unity
HTML	SQL
CSS	MongoDB
Javascript	Git
Flask	Arduino
Java	Raspberry Pi

### UX Research

Contextual Inquiry	Card Sorting
Affinity Mapping	Journey Mapping
Task Analysis	Empathy Mapping
Personas	Usability Testing
Surveys	Statistical Modeling
Interviews	

### UX Design

Paper Prototype	Information
Storyboard	Architecture
Wireframes	Hi-fi Prototyping
User Journey	Data Visualization

## Publications

### VirtualBricks I CHI Full Paper - 2019

- Created a toolkit for VR developers to build custom physical-manipulation enabled controllers
- Developed customized blocks with features like rotation, translation, stretch, which are compatible with Lego blocks
- Made Virtual Reality Experiences on Unity, created a custom Unity package for developers, and implemented communication channels between the hardware bricks and the software interface

### Jamoor I UIST Student Innovation Contest - 2018

- Built a robot that can be controlled using speech (action performed based on speech recognition) and music (animatronics of action based on the emotion of music played)
- Designed the storytelling experience, developed the speech detection module, and built the physical robot
- Covered in many Indian national media outlets like The Indian Express, The Economic Times, The Hindu

## Projects

### Mime I Google Play Store - 2019

- Built an Android platform (800 organic users) for all meme needs - a maker space where users can create memes, a personalized meme feed, and a space to connect with other meme enthusiasts.
- Responsible for user research - Surveys, Interviews, Affinity Mapping, Journey Mapping, Usability Testing
- Developing the backend database, associated functions, and developed the information flow within the app

### AutoVend I Successful Startup - 2017

- Built an automatic refrigerator that aims to improve the customer experience while purchasing food items by automatically detecting and billing the food items picked
- Developed object detection algorithm and developed the information flow architecture
- Deployed in IIITD and various corporate offices where about 200 food items are sold every day

## Experience

### Robotic Process Automation Intern I Ernst and Young - 2017

- Developed and deployed a prototype for a chatbot which was used to measure employee satisfaction level (about 1000 employees)
- Built Alexa skills using AWS Lambda to trigger financial automation processes and performed market research to identify competitors in the industry
- Supported data analysis using SQL as part of a revenue assurance project

### Teaching Assistant

CSE101(Introduction to Programming), CSE102(Data Structures and Algorithms), CS3750 (User Interface Design)