

## EDUCATION

### Georgia Tech 2019-Present

MS - Human Computer Interaction  
Interactive Computing Track

### IIT Guwahati 2015-2019

Bachelor of Design  
Minor in Mathematics

## SKILLS

### Research Methods

Contextual Inquiry  
Structured Interviews  
Semi-Structured Interviews  
Journey Mapping  
Affinity Diagramming  
Personae  
Storyboarding

### Design Methods

Sketching  
User Flows  
Information Architecture  
Wireframing  
High Fidelity Prototyping  
Visual Design  
Data Visualization

### Design Tools

Adobe Creative Suite  
Sketch  
Figma  
Invision

### Programming

C/C++  
HTML/CSS  
JavaScript  
ReactJs  
AngularJs  
Nodejs  
p5.js  
d3.js  
Arduino  
Processing

## EXPERIENCE

### Information Visualization - Teaching Assistant Jan'20-Present

- Helping undergraduate students learn and apply Information Visualization principles through a semester long project on d3.js

### SAS RnD - UX Design Internship May'15-Jul'18

- Redesigned the SAS Credit Scoring dashboard, using data-viz techniques.  
- Synthesized existing research using Task Analysis and Affinity Mapping.  
- Prototyped High-fidelity final solutions using Axure.

### UE-HCI lab - UX Design Internship Dec'18

- Designed an iOS app "Chargelt", for health management of electric vehicles.  
- Used Surveys and Semi-Structured Interviews for data collection.  
- Conceptualized User Flows, Low and High-Fidelity mockups for the app.

## PROJECTS

### Predator Exhibit - Georgia Aquarium Aug'19-Dec'19

- Worked with the Georgia Aquarium to identify opportunities of altering the perception of Sharks amongst visitors for the Expansion 2020 Project.  
- Conducted extensive user research and provided the aquarium with design recommendations for the exhibit.

### Swasthyaa - TB Adherence using IVR Aug'18-May'19

- The Govt. of Assam has made the IVR info-dissemination solution active in 3 rural districts, with 2000+ Tuberculosis presumptive patients enrolled.  
- Synthesized data using Affinity Mapping techniques, conceptualized User Flows and Low-fi Prototypes, and conducted Wizard of Oz testing with 40 patients undergoing treatment.

### WordTutor - TB Adherence using IVR Aug'18-Dec'18

- Developed and Designed an Alexa skill that helps non-native English speakers learn new words. The concept was given recognition at IndiaHCI'18.  
- Validated assumptions through desk research and unstructured interviews, synthesized data using Affinity Maps, conceptualized User Flows and Storyboards, and developed prototype on Amazon Console, using Node.js & Alexa Skill builder.

## AWARDS AND PUBLICATIONS

### Interact 2019 - Short Paper Publication 2019

Mathur A. et. al A Study of Outbound Automated Call Preferences for DOTS Adherence in Rural India. Human-Computer Interaction - INTERACT 2019.

### IndiaHCI 2018 - Student Design Consortium 2018

Won the "Best Presentation" award at IndiaHCI's Student Design Consortium, for the project "WordTutor".