

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 "ChargeIt", 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".