

ARPIT MATHUR

UX DESIGNER AT MATHWORKS

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PROJECTS

SAS Analytics

May - Jul '18

Banking Risk Analysts rely on the **SAS Credit Scoring tool** to evaluate the performance of their risk models.

Conducted a user study as a **UX Design intern** to identify pain points in their existing workflow through contextual interviews.

Created high-fidelity redesigns of the SAS Credit Scoring dashboard, using **Sketch**, to address identified pain points.

Graduate Research Assistant

Current

Students struggle to understand abstract quantum principles.

Designed and Developed **Interactive web-based visualizations** as course material for **EC 3040 Semiconductor Devices**.

4 interactive chapters were used by 100 students enrolled in EC 3040 over the fall semester 2020, to facilitate remote learning.

Digital Threats to Democracy

Current

Hate Speech and Misinformation online has plagued Myanmar.

Designed and developed AGGIE, a tool for tracking and classification of problematic posts related to the Myanmar General Elections 2020, using **Tableau**.

The tool is currently in use by **16 trackers in Myanmar**, and has helped in the identification of over **20,000 problematic posts**.

Georgia Aquarium

Jun '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

Jun '18 - May '19

Adherence to Tuberculosis treatment is a major issue in India.

Worked with the **Govt. of Assam** to Design and Test an **IVR** based Information Dissemination solution in **3 Rural districts of Assam, with 2000+ Patients**.

EDUCATION

Georgia Tech

Present

MS in Human Computer Interaction
School of Interactive Computing

IIT Guwahati

2015 - 2019

B.Des in Design, Minor in Mathematics
Secretary, Coding Club

SKILLS

Design: Sketching, User Flows, Information Architecture, Wireframing, High Fidelity Prototyping, Data Visualization, Voice User Interfaces

Research: Contextual Inquiry Interviews, Surveys, Journey Mapping, Affinity Diagramming, Personae, Storyboarding

Tools and Languages: Adobe Creative Suite, Sketch, Figma, Invision, HTML/CSS, ReactJs, AngularJs, Nodejs, p5.js, d3.js, Arduino, Tableau, Matlab

PUBLICATIONS

ICLS 2022: Interactive Transcription Techniques for Interaction Analysis

HCII 2021: A Study of Motivation, Preferences, and Pain Points Regarding Participation in Career Related Mentorship

ICORD 2021: Development and Evaluation of Usability Heuristics for Voice User Interfaces

INTERACT 2019: A Study of Outbound Automated Call Preferences for DOTS Adherence in Rural India.