



Arpit Mathur

Roll Number : 150205047
B.Des - Design
Minor in Mathematics
Indian Institute of Technology Guwahati

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Education

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Des	Indian Institute of Technology, Guwahati	8.12 (Current)	2015 - Present
Senior secondary	CBSE board	96%	2015
Secondary	CBSE board	10.0	2013

Experience

- Design Research Internship at SAS RnD** *May 2018 - July 2018*
Applied User Centered Design methods in order to conceptualize Machine Learning paradigms that can help achieve user goals for SAS Credit Scoring Tool, in the banking domain.
- Interaction Design Internship at UE-HCI lab, IITG** *Dec 2017*
Worked as a Winter Intern on ChargeIt - a mobile application for electrical vehicle health monitoring and battery management. Conducted user study to identify user needs, and created a mobile application as a solution.
- UX Design Internship at Quiziential** *May 2017 - July 2017*
Worked as a summer intern, and got to work in the Education Technology paradigm for their upcoming knowledge network platform. Conducted a competition analysis, and conceptualized the platforms mentoring feature.

Projects

- Bachelor Thesis Project** *Ongoing*
Swasthya
An ICT based solution designed to facilitate the health workers of Assam in monitoring the DOTS treatment undertaken by TB patients. The initiative is undertaken by the Embedded Interactions Lab, IITG and the Government of Assam. My role in the year long project is to conceptualize patient-facing solutions to improve adherence to treatment.
- Interdisciplinary Design Project** *Apr 2016*
WordTutor
A Voice User Interface in order to provide instruction for English Vocabulary to non-native English speakers. The project was prepared as part of a submission for the Student Design Consortium in the IndiaHCI Conference 2018.

Technical skills

- Programming:** C/C++, Python, HTML/CSS, JavaScript (Angular, Node, React, P5), Arduino, Processing
- Design Methods :** Affinity Diagramming, Competitive Analysis, Contextual Inquiry, Data Visualization, Ethnography, Information Architecture, Heuristic Evaluation, Usability Evaluation, User Research, Visual Design, Wireframing
- Design tools:** Adobe Creative Suite, Sketch, Figma, Balsamiq, Invision, Blender, Unity, MS Office
- Operating system :** Windows, Linux

Key courses taken

- Introduction to Computing
 - Computing Laboratory
 - Elements of Design
 - Systems approach to Design
 - Tangible User Interfaces
 - Environmental and Experiential Design
 - Introduction to Interaction Design
 - Design Methods
 - Design Analysis
 - Physical Computing
 - Instructional Design
 - Usability Engineering
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Positions of Responsibility

- Secretary, Coding Club 2017 - 2018
 - Chief Organizer, TechExpo 2017 (the annual Technical Exposition of IIT Guwahati)
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Achievements

- **IndiaHCI 2018 - Student Design Consortium:** Selected for the Human Computer Interaction conference along the theme “Behind and Beyond the Screen”. Will get the opportunity to present WordTutor at the conference in December 2018, in Bangalore, India.
 - **Joint Entrance Examination 2015 :** Secured an All India Rank of 5054 among 0.15 million candidates appearing for the examination.
 - **Technothon Silver Certificate :** Received a silver certificate for securing an All India Rank of 176 at Technothon 2012, the largest student organized International School Championship.
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Extracurriculars

- **Football:** Participated in the annual inter-hostel sports competition Spardha, and won the silver medal in Football for the years 2017 and 2018.
- **Drama:** Participated in the annual inter-hostel cultural competition Manthan, and won the gold medal in Drama in 2015.
- **Music:** Participated in the annual inter-hostel cultural competition Manthan, and won the gold medal in Music in 2017 as a bass player.
- **Volunteer:**
 1. Guwahati Half Marathon: Worked as volunteer for the Guwahati Half Marathon organized in the years 2016 and 2017, with the theme, run against a Tobacco Free India.
 2. Muskaan: Worked as a volunteer for Muskaan, an initiative to spend Diwali, a major Indian festival, with underprivileged children from a nearby orphanage.
 3. Labor Camp: Volunteered at a labor camp, that worked as a day care for children of construction laborers in Pune. Gave them basic lectures on English, Mathematics and Computing.