ARPIT MATHUR

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EDUCATION

IIT Guwahati

Bachelor of Design
Minor in Mathematics

CPI – 8.21 (as of 6 semesters)

DPS Pune

High School

*CGPA Class X – 10.00
Boards Class XII – 94.4%*

SKILLS

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

Programming

C/C++
Python
HTML/CSS
JavaScript (Angular, Node, React)
Arduino
Processing

CO-CURRICULAR

Pos. of Responsibilty

Secretary, Coding Club, IIT Guwahati

EXPERIENCE

SAS RnD - UX Design Summer Internship   *May – July '18*

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.

UE-HCI lab - IxD Winter Internship   *Dec '18*

Worked as a Winter Intern at India's pioneering lab of Usability Engineering and HCI, in IIT Guwahati. Worked on ChargeIt - a mobile application for electrical vehicle health monitoring and battery management.

Quizential - UX Design Summer Internship   *May – Jul '17*

Worked as a summer intern for Candid Cohort infosolutions. Identified gaps in their new product, Quizential, an online knowledge sharing platform, on the basis of a user study, and conceptualized solutions.

PROJECTS

Swasthyaa - Bachlor Thesis Project   *Aug '18 (Ongoing)*

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.

WordTutor - Interdisciplinary Design Project   *Aug – Nov '18*

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.

Ahaar - System Design   *May– Jul '18*

Designed a system to help provide nutritional food to people in need. Ahaar is a system that can be incorporated within any food distribution organization such as Zomato, Swiggy etc. The project was done as part of IDEO's online Human Centered Design Course.

ProximiTREE - Tangible User Interfaces   *Jan – Apr '18*

A Tangible User Interface that helps develop the skill of subitizing in Cerebral Palsied children. Developed a functioning prototype using Arduino and Processing.

FITBrain - Instructional Design   *Jan – Apr '18*

An instructional mobile application, that delivers relevant yoga instruction, and tracks mental health development among patients suffering from or at risk of developing Alzheimer's disease.

Sericulture Tool - Applied Ergonomics   *Jan – Apr '18*

Developed a tool for mulberry shoot plantation as part of the applied Ergonomics course. The tool was made after analyzing the REBA scores of the workers involved with mulberry shoot plantation, and would be ergonomically beneficial and help avoid chronic back problems,

Chief Organizer, TechExpo - IIT Guwahati's annual technical project exhibition

Hobbies

Football - Silver Medalist in Spardha, IIT Guwahati's annual inter-hostel sports competition.

Music - Silver Medalist in Manthan, IIT Guwahati's annual inter-hostel cultural competition

Drama - Gold Medalist in Manthan, IIT Guwahati's annual inter-hostel cultural competition

Volunteer

Guwahati Half Marathon 2016 - Run for a Tobacco Free India

Muskaan - IIT Guwahati's initiative to spend Diwali with kids from an orphanage

Labor Camp, Magarpatta City - educate unpriviledged children in basic English, Math and Computers

ChargeIt - Interaction Design   *Dec '18*

Worked as a Winter Intern at India's pioneering lab of Usability Engineering and HCI, in IIT Guwahati. Worked on ChargeIt - a mobile application for electrical vehicle health monitoring and battery management.

ACHIEVEMENTS

Branch Change   *2016*

Awarded a branch change from the Department of Chemistry, to the Department of Design, for having an academic performance in the top 10% at the end of the first year.

Joint Entrance Examination   *2015*

Secured an All India Rank of 5054 among 0.15 million candidates appearing for the examination.

Technothlon Silver Certificate   *2012*

Received a silver certificate for securing an All India Rank of 176 at Technothlon 2012, the largest student organized International School Championship.

Scholar Badge   *2012,2013*

Received a scholar badge for outstanding academic achievements on two consecutive years (2012 and 2013) by Delhi Public School, Pune.