



Harmeet Singh

Gender: Male; DOB: 16 December 1994

B. Des (Design)
Pre-Final year student
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Educational Qualifications:

Cumulative Performance Index: 8.16
Semester Performance Index (5th semester): 9.50
12th (Board of Intermediate Education, CBSE): 94.6%
10th (CBSE): 9.8

Areas of Interest:

User Experience, Human Computer Interaction, Service Design, Design Innovation, Data Visualization, Internet of things, Web Development

Work Experiences:

UX Design Intern: Statusbrew, Amritsar
Mentor: Mr. Rishabh Mahajan, CTO
Duration: December'15

Project Domain: User experience, Front-End Web Development
Brief: Work done on a web application Statusbrew, which is basically a tool for managing user's social community (Facebook, Twitter, Instagram etc.). My work was targeted towards creating the organization segment of the application and involved analyzing user feedbacks (from previous version), creation of user stories, wireframes, mockups and the front-end development (Major part on angular.js) of organization part.

Software Development Intern: Sigmoid, Bangalore
Mentor: Mr. Asit Parija, Technical Manager
Duration: May' 15 to July' 15

Project Domain: Front-End Web Development, User experience
Brief: Work done on a use-case SigCloud, which caters to easy deployment of packages of big data services on cloud based infrastructure, along with provision of monitoring & management capabilities. Work involved identifying goals, competitive analysis, user study, information architecture, wireframes, icons, development of the front-end of whole service and real-time updating of monitoring services.

Publications:

- **"Saathi: Making it Easier for Children with Learning Disabilities to understand the concept of Time":** To be published in ACM Digital Library (to appear) along with a poster presentation to be held at CHI'16 Conference San Jose, California.
- **"Smart tags to increase interactions at airports":** Accepted to be part of the USB Proceedings, OzCHI'15 Conference.

Projects:

PROJECT NAME: ACM-CHI'16, Saathi - Making it Easier for Children with Learning Disabilities to understand the concept of Time (Oct'15 – Jan'16)

Keywords: Wearables, Learning disability in children, Time perception, Self-help, Scheduling of daily activities

Supervisor: Asst. Prof. Abhishek Srivastava

Brief: Submission for Student Design Competition, CHI'16. Had to come up with an assistive technology for users that present different and often challenging needs. Came up with Saathi, a smart watch which taps the problem of lack of time perception amongst children with learning disabilities, by displaying time in the form of visuals, audio feedback and images from the daily life of children, the ones they are familiar with. Work involved literature review, Field Visits and Contextual Inquiry, Competitor analysis, Affinity Analysis, Brainstorming, Information Architecture, Prototyping, User Testing and Evaluation.

PROJECT NAME: OZCHI'15 - Beating Social Isolation (Aug'15)

Keywords: Social Isolation, Social Anxiety, Airport, Smart Tags

Brief: 24hr Design Challenge to come up with a design solution to problem of social isolation in a scenario of choice, solution was proposed for making airports experience more friendly and social by bringing people closer and making them interact with each other. Work involved literature review, searching scenarios, filtering them, picking a scenario and brainstorming over possible solutions, making personas, coming up with mental models and final prototypes.

PROJECT NAME: Alz-Mob – a Customized mobile phone serving the demands of Alzheimer's Patients (Sep'15 – Nov'15)

Keywords: Mobile phone, Customization, Alzheimer, FBS Ontology

Supervisor: Asst. Prof. Prasad Bokil

Brief: Project involved picking a User Group of choice and making a Customized mobile phone according to their goals/demands. Picked Alzheimer's patients as the user group and did the literature review about it and its effects. Further work involved creating personas and applying FBS Ontology to conceptualize a mobile phone which catered to various scenarios of the user's life.

PROJECT NAME: Chat.io – Group Chatroom for appliances (Aug'15 – Oct'15)

Keywords: Chatrooms, Dashboards, Asynchronous, Automatization

Brief: Self-initiated project for making a chatroom in initial phase, which has the utility to have a group chat for a discussion along with dashboards carrying features like most active people and other visualizations. The second phase of project involved bringing in home appliances instead of users to talk to each other to bring ease and efficiency in human day-to-day working using predictive analytics (using threshold values). The development has been done using Nodes.js and its framework express.js, d3.js for visualization, socket.io.js and angular.js, for the web part and frameworks like Cylon.js, Johnny-five.js for Arduino part etc.

Skills:

Design Skills: Heuristic Evaluation, Usability Evaluation, Rapid Prototyping, User interview planning, Design research, Competitive analysis, Information Architecture, Wire framing, Low and high fidelity mockups.

Software: Adobe Photoshop, Adobe Illustrator, Adobe Dreamweaver (Basics), Adobe After Effects (Basics), Balsamiq Mockups, IntelliJ Idea IDE, Git, Sublime Text, Microsoft Office, SolidWorks, Autodesk Alias Autostudio

Programming: HTML, CSS, Twitter Bootstrap, Javascript, JQuery, D3.js, Angular.js, Node.js (basics), C (basics)

Operating Systems: Windows

Achievements and Co-curricular:

- **CHI'16:** Selected in top 12 teams (Research paper accepted to be presented at CHI'16 Conference to be held at San Jose, California) in the Student Design Competition held internationally.
- **OZCHI'15:** Selected in top 6 teams (Research paper accepted to be presented at OZCHI'15 Conference to be held at Melbourne, Australia) in 24hr Design Challenge held internationally.
- **Macmillan IAIS Assessments:** Achieved Distinction and Credit in Maths.
- **Chess:** Selected in Chess Nationals two times for U-14 and U-19 categories.

Positions of Responsibility:

- Techniche'15 - Core Team, Brand Communication & Creatives
- Core team member of Design Tree
- Udgam'15 - Core Team, Branding
- Finance & Economics Club Team member

Other interests:

Poetry Writing, Travelling & trying out different cuisines

Languages:

English, Hindi & Punjabi