

# Mehul Agrawal

## User-Experience Designer

*Deep understanding of User-Centered Design process and experience in designing for Emerging Technologies. Proficient in Concept generation & Interaction design.*

### professional experience

#### Associate Instructor - Indiana University (Aug'15 - Present)

Associate instructor for undergrad course HCI/ Interaction Design.

#### Associate - Cognizant (July'14 - May'15)

Applied user-centered design to create more efficient and user friendly products for internal team of cognizant.

#### Industry Collaboration - Microsoft (Feb - July'14)

Design a tablet application to enhance the Inking experience for tablets by fostering improved content creation and management.

#### Visiting Scholar - KU Leuven, Belgium (May - July'13)

Employed User Centered Methodology to conceptualize and prototype a user-friendly product based on Skweezee technology.

#### Industrial Internship - Maruti Suzuki, India (Aug-Nov'12)

Designed a tablet based application that aimed at easing the task of Vehicle Inspector by providing them details of vehicles arriving at their station.

### recent projects

#### Re-Designing Uber Rating System(Sept'15 - Present)

Working on over-hauling uber rating system to counter the effects of biases created in existing 5-star rating system.

#### WarmStat (Aug'15 - Sept'15)

Redesigning thermostat such that it can prevent users from oversetting thermostat in process of correcting their mental model of working of thermostat.

#### ChemicAble: Tangible Interaction Approach for Teaching Chemical Bonding (Jan'13 - April'13)

Designed and developed an exercise tool to facilitate understanding of ionic bonding among school students (grade 8 to 10) by promoting exploration and fun.

#### Let's Teach: Incorporating Collaboration to Foster Voluntary Teaching (July'12 - Nov'12)

Following user centric approach, we proposed collaboration as a potential solution to foster voluntary teaching. A web based platform was designed to support collaboration among voluntary teachers.

#### Cabage: Translating cab-sharing to information system (July'12 - Nov'12)

Brief: Translating the physical world experiences of cab-sharing in web environment using a user centered design approach.

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### education

#### MS-HCI/d, (2017 - expected)

Informatics and Computing,  
Indiana University

#### B.Des (2014)

Indian Institute of Technology,  
(IIT) Guwahati, India

### core competencies

Interaction Design  
Tangible Interfaces  
Physical Computing  
Gesture Design  
Design Thinking  
User Study  
Storyboard  
Storytelling  
Persona  
Information Architecture  
Wireframing & Mockups  
Card Sorting  
Competitive Analysis  
Branding & Communication  
Rapid Prototyping  
Usability Evaluation  
Stopmotion  
Photography

### software knowledge

Adobe Illustrator  
Adobe Photoshop  
Adobe Dreamweaver  
Balsamiq Mockups  
Google Sketch up  
Just in Mind  
Sketch  
Flash

### programming knowledge

HTML/CSS  
Processing [Java based]  
Python/C  
Arduino  
PHP

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## publications

Agrawal, M., Abeele, V. V., Vanderloock, K., & Geurts, L. (2015). Skwee-zee-Mote: A Case-Study of a Gesture-Based Tangible Product Design for a Television Remote Control. In ICoRD'15—Research into Design Across Boundaries Volume 2 (pp. 409-419). Springer India.

Agrawal, M., Jain, M., Luthra, V., Thariyan, A., & Sorathia, K. (2013, September). ChemicAble: Tangible Interaction Approach for learning Chemical Bonding. In Proceedings of the 11th Asia Pacific Conference on Computer Human Interaction (pp. 416-421). ACM.

Bansal, H., Agrawal, M., & Sorathia, K. (2013). Incorporating Collaboration to Foster Voluntary Teaching", in workshop on Intelligent User interfaces for Developing Regions (IUIDR), International Conference on Intelligent User Interfaces (IUI 2013).

Agrawal, M., Amrit, M., Jain, M., Bansal, H., & Krishna, A. (2013, November). Threading centric approach towards email client. In Proceedings of the 25th Australian Computer-Human Interaction Conference: Augmentation, Application, Innovation, Collaboration (pp. 413-414). ACM.

## leadership roles

### Branding (Design) Core team member Techniche 2012

Designed and published branding material for the annual techno-management fest of the university, IIT Guwahati, India.

## awards and achievements

Second Runner-up at 24-hour Student Design Challenge at OzCHI 2013 held at Adelaide, Australia. We proposed a solution based on tagging, threading and visualization techniques to make the email system much more organized and effective.

Bagged third prize at Overnight Hackathon at Inter hostel technical festival, IIT wherein we designed a college event tracker that allow students to easily create and manage events.

Bagged numerous titles across Movie making, Astro Design and Green advertisement competitions at Kriti'11, Inter hostel technical festival, IIT Guwahati.

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**B.Des (2014)**  
Indian Institute of Technology,  
(IIT) Guwahati, India

## professional development

**Magical Interfaces**  
at Design Innovation workshop by MIT Media Labs in 2014

**Online Courses**  
Successfully completed online courses- Human-Computer Interaction, Learn to Program (Python) and Design Kit: Course for Human Centered Design (by IDEO)

**Skytech Labs Workshop**  
Attended a workshop based on concepts, design and building IR Sensors by Skytechlabs.

LinkedIn