

# Prachee Javiya

UX/UI Designer

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## Skills/Tools

- |               |                 |                        |                        |                 |                         |
|---------------|-----------------|------------------------|------------------------|-----------------|-------------------------|
| ✓ UX Writing  | ✓ User Research | ✓ UX Prototyping       | ✓ Usability Testing    | ✓ Visual Design | ✓ User Interface Design |
| ✓ HTML        | ✓ Figma         | ✓ Accessibility design | ✓ Qualitative Analysis | ✓ Kotlin        | ✓ AngularJS             |
| ✓ Illustrator | ✓ C++           | ✓ Python               | ✓ Wireframing          | ✓ CSS           | ✓ Blender               |

## Work Experience

### User Experience Researcher, University of Maryland, Baltimore County, USA

01/23 - 05/24

- Prototyped a Learning Analytics Dashboard for a peer mentoring program with a team of 4.
- Organized a **co-design workshop** with 2 Mentors and 1 Mentee to gather data about user needs, behaviors, and attitudes.
- Facilitated **interviews** with 3 professors to understand their needs for a Learning Analytics Dashboard(LAD).
- Applied inductive coding and conceptual modeling to analyze **500 student survey responses**, showcasing expertise in qualitative research.

### Frontend Developer, Playpower Labs, India

01/22 - 06/22

- Conceptualized a bilingual online educational platform (**HALT-AD**) aimed benefiting 1,000+ older adults by reducing dementia risk.
- Demonstrated proficiency in **AngularJS** by maintaining efficient cross-team collaboration with 10 engineers to develop a responsive **frontend** for the platform.
- Performed manual **testing** using BrowserStack for cross-platform compatibility, ensuring seamless functionality across various devices and browsers.

### Cross-Functional UI/UX Developer, Tirez Transmission, India

05/21 - 12/21

- Programmed the user interface in Kotlin that increased **user engagement by 40%** through improved layout and interactive elements.
- Collaborated with a team of 5 to integrate real-time data updates, resulting in a **35% increase in app accuracy** for displaying EV charging statuses.
- Guided the iterative design process based on user feedback and analytics, improving app **satisfaction ratings by 25%** among EV owners.

## Publications

- Javiya P., Anthraper N., Iluru S., Kleinsmith A., Chen K., Co-designing a Learning Analytics Dashboard to Support Transfer Student Mentoring, **CHI LBW 2024**.
- Javiya, P.A., Kleinsmith, A., Chen, L.K., & Fritz, J. (2024). Parsing Post-Deployment Students' Feedback: Towards a Student-Centered Intelligent Monitoring System to Support Self-Regulated Learning. Proceedings of the 25th International Conference on Artificial Intelligence in Education, **AIED 2024**.

## Featured Projects

### UI Prototyping and Development of Haptic Gloves for Virtual Reality(VR)

- Utilized Figma and DraftXR for the prototyping of haptic gloves for **VR interface interaction**.
- Employed **empathy maps** and **hierarchical task analysis** as visualization techniques to create a user-centric VR interface with 30% increase in efficiency.
- Developed prototypes ranging from low to high fidelity, incorporating **peer feedback** for continuous refinement and improvement.

### Threads and Beads: Systems Design Project

- Managed the digital transformation of Threads & Beads, a clothing boutique, transitioning from paper-based customer data management to a digital solution, increasing the **revenue by 34%**, and **reduce fabric wastage by 9%**.
- Designed the system by leveraging Augmented Reality(AR) to calculate customer's body measurements virtually, thereby **reducing customer churn by 5%**.

## Education

### Master's in Human Centered Computing, University of Maryland - Baltimore County

Baltimore, MD, USA

Relevant Coursework - UI Development & Prototyping, Accessibility and Inclusive design, Affective Computing, HCI, Graphic Design for Interactive Systems

07/22 - 05/24

CGPA - 3.9/4.0

### Bachelor's in Information and Communication Technology with Minors in Physics, Ahmedabad University

Ahmedabad, GUJ, IND

Relevant Coursework - User Centered Design, Human Computer Interaction, Software Engineering, Database Management Systems

07/18 - 05/22

CGPA - 3.2/4.0

## Volunteering

- Math tutor in Reach Together Tutoring Program at University of Maryland, Baltimore county.
- Arcade Virtual Reality Volunteer at the Games for Change 2024 Festival.
- Head of the Design team for Ahmedabad University's Tech Club's social media and website.
- University Basketball women's team captain at Ahmedabad University.