

# Deepak Giri

Updated November 8, 2025

**Email:** girideep@msu.edu

**Location:** East Lansing, MI

**LinkedIn:** //deepakgiri1701

**Website:** dgiri1.wixsite.com/a11y

**Phone:** (317) 998-7071

**Medium:** //dgiri1701

**Research interests** Human-Computer Interaction, Computer-Supported Cooperative Work, Accessibility

**Education** **Michigan State University** East Lansing, Michigan, USA  
PhD in Information and Media 2024 – Present  
Advisor: Dr. Megh Marathe *GPA: 3.916*

**Indiana University** Indianapolis, Indiana, USA  
MS in Human-Computer Interaction 2022 – 2024  
Research advisor: Dr. Erin Brady *GPA: 3.87*

**G.B. Pant University** Pantnagar, Uttarakhand, India  
BTech in Electrical Engineering 2015 – 2019

**Honors and scholarships** Summer research grant (Michigan State University) 2025  
Media and Information travel grant (Michigan State University) 2025  
Informatics travel grant (Indiana University) 2023  
CIRTL associate (Indiana University) 2023  
Non-resident scholarship (Indiana University) 2022

**Publications** **Deepak Giri**, Julia Hellin Lopez, Celeste Campos-castillo, Megh Marathe. 2025. "Do you overreact to pressure, blow things out of proportion?": An ADHD-Centered Critical Review of Emotional Dysregulation Measures in the 27th International ACM SIGACCESS Conference on Computers and Accessibility (ASSETS '25), Denver, USA. **Best Paper Honorable Mention** (Top 12% of accepted papers, 29.7% overall acceptance rate)

S. Benedict, N. Gowtham, **D. Giri** and N. Sreelakshmi, "Real Time Water Quality Analysis Framework using Monitoring and Prediction Mechanisms," 2018 Conference on Information and Communication Technology (CICT), Jabalpur, India, 2018, pp. 1-6, doi: 10.1109/INFOCOMTECH.2018.8722381.

**Workshop Papers** **Deepak Giri** and Erin Brady. 2023. A Democratic Platform for Engaging with Disabled Community in Generative AI Development. In the User AI Auditing Workshop at the 26th ACM Conference On Computer-Supported Cooperative Work And Social Computing, October 14-18, 2023, Minneapolis, MN, USA.

## Research experience

**Deepak Giri** and Erin Brady. 2023. Exploring outlooks towards generative AI-based assistive technologies for people with Autism. In the Generative AI and HCI Workshop at the Conference on Human Factors in Computing Systems, April 23 - 28, 2023, Hamburg, Germany.

**Graduate Research Assistant** Aug 2025 – Present  
*PI: Dr. Amanda Cote (Michigan State University)*

Contributing to a study investigating the role and meaning of Virtual Reality (VR) spectatorship in esports compared to traditional 2D viewing. Guiding participants through consent and condition assignments, managing VR/2D lab setups, administering surveys, addressing participant questions, and coordinating scheduling.

**Graduate Research Assistant** Aug 2024 – Aug 2025  
*PI: Dr. Megh Marathe (Michigan State University)*

Designed an interview study to explore the challenges faced by data science practitioners regarding gender-inclusive data practices in data collection, cleaning, analysis, and reporting, as well as their potential workarounds to address these challenges.

Conducted multi-phase qualitative analysis of **20 in-depth semi-structured expert interviews** examining the experiences of people involved in a gender inclusive software implementation project at a large public university in the US.

**Graduate Research Assistant** Aug 2023 – May 2024  
*PI: Dr. Soo Hyeon Kim (Indiana University)*

*Co-PI: Dr. Gi Woong Choi (University of Cincinnati)*

Worked on an applied research project to strengthen **6 rural libraries'** capacities for outreach educational programming, online facilitation skills and culturally relevant engineering programs for underserved children. Explored relevant academic literature, performed literature reviews, created research tools, analyzed qualitative data and facilitated **4 co-design sessions** among rural librarians and children.

**Graduate Research Assistant** Feb 2023 – May 2023  
*PI: Dr. Saptarshi Purkayastha (Indiana University)*

Collaborated with a group of medical informaticians on a higher education and cognition research project titled "Emotional responses to Visual, Aural, Read/Write and Kinesthetic (VARK) learning styles measured using Electroencephalogram (EEG)." Designed content, created research tools, recruited participants, setup non-invasive EEG devices and performed **4 research sessions** in graduate classrooms.

**Graduate Research Assistant** Aug 2022 – Feb 2023  
*PI: Dr. Deanna R. Willis (Indiana University Health)*  
 Backed a team of interdisciplinary researchers with the digital project (funded by the Davos Alzheimer's Collaborative) by enrolling **3600 patients** for screening, early detection, and diagnosis of Alzheimer's disease across **6 clinics**. Handled electronic health records, improved project workflows, identified potential participants, and collaborated with Medical Assistants and Practitioners to conduct cognitive assessments on elderly patients.

**Graduate Research Assistant** Aug 2022 – Feb 2023  
*PI: Dr. Sonny Kirkley (Indiana University)*  
 Constructed the usability test strategy for the First Responder Smart Tracking Challenge, a 5.6 million dollar prize competition hosted by the Crisis Technologies Innovation Lab (CTIL). Developed testing scenarios, usability protocols, scripts, and data collection sheets to assess the ease of deployment, safety, ergonomics, user experience, and interoperability of tracking devices developed by competing teams.

**Research Intern** Jun 2018 – Jul 2018  
*Indian Institute of Information Technology, Kottayam, India*  
 Worked on a research project titled, "Real-Time Water Quality Analysis Framework using Monitoring and Prediction Mechanisms". Created a prototype using Arduino ecosystem to monitor physical and chemical parameters of water such as temperature, pH, turbidity, etc.

Mentoring  
 experience

**ePortfolio Consultant** Aug 2023 – May 2024  
*Supervisor: Deborah J. Oesch-Minor (Indiana University)*  
 Worked closely with undergraduate and graduate students from various schools within the university. Guided, mentored, and supported students in the development and management of their online portfolios. Furthermore, I organized and conducted kickoff sessions across various classrooms throughout the university.

**Undergraduate student/s mentoring at MSU**  
 Julia Hellin Lopez

Teaching experience

**Graduate Teaching Assistant** Aug 2025 – Present  
*Instructor: Dr. Jean Hardy (Michigan State University)*  
 Evaluating the assignments, mid-term exams, proposals and final papers of an undergraduate course **MI201 Introduction to Information Science**.

**Graduate Teaching Assistant** Aug 2022 – Dec 2022  
*Instructor: Dr. Sonny Kirkley (Indiana University)*

Evaluated the assignments, discussions, and exercises in an online course **INFO-C300 Human-Computer Interaction**. Developed teaching materials to ensure learning objectives are met over time.

## Industry experience

### Osmo by Byju's

Bengaluru, Karnataka, India

UI/UX Designer

Dec 2021 – Jul 2022

Designed analytics dashboards for educators to track students' progress in **20+ Osmo activities** spanning **31,000 classrooms** in the United States. Initiated a new navigational experience to incorporate upcoming Osmo learning activities. Devised proficiency logic to quantify student learnability in 6 Osmo's Math Wizard learning activities. Came up with its dashboard integration strategy, user experience and visual design in conjunction with a cross-functional team. Facilitated the Osmo education design team in building a global unique identifier platform to enhance the login experience for **450k+** Osmo School students.

### TrackSo

New Delhi, Delhi, India

UI/UX Designer

Mar 2020 – Apr 2021

Revamped the user experience of the company's primary Internet of Things (IoT) based energy monitoring platform. Conducted user research, created design system, brand guidelines and usability tests to finalize **100+ product screens**. Performed qualitative market research involving **50+ industry veterans** that aided the team in developing a strategic business plan for the 2021 fiscal year.

### Dhwani RIS

Gurugram, Haryana, India

UI/UX Designer

Aug 2019 – Mar 2020

Analyzed tech-centered bottlenecks for **10+ organizations** working in the domain of healthcare, education, rural development, microfinance, pollution etc. and crafted web/mobile-based solutions impacting 100,000+ users. Spearheaded **20+ client meetings** on the user experience front by communicating user research, information architecture, interaction and visual design, sprint plans and delivered compelling presentations for the same. Mentored **2 UI/UX Interns** in the team by providing them with hands-on experience on new and redesign projects.

## Other experience

### Culture Editor

June 2025 – Aug 2025

*Supervisor: Jeremy Whiting (Impact 89FM)*

Leading the radio station's coverage of student life, the arts, and community events, ensuring that reporting is thoughtful, relevant, and engaging.

### Graduate Ambassador

Feb 2023 – Feb 2024

*Supervisor 1: Dr. Jerry Daday (Indiana University)*

*Supervisor 2: Mr. Ken O'Donnell (California State University)*

Redesigned the Experiential Learning & Teaching in Higher Education (ELTHE) journal. Defined project scope, managed sprints, ran hiring cycles, documented user study protocols, conducted user interviews, ran usability studies and analysed data.

## Skills

### Research

Proficient in: Research Methods (Social Media Analysis, Textual Analysis, Participant Observation, Interview, Survey, Experimental Research, Co-design), System Design & Prototyping, User Interface Design, User Testing, Qualitative Analysis (Thematic analysis, Grounded theory approach, Deductive coding, Inductive coding, Open coding).

### Software

Familiar with: Qualtrics, R studio, LateX, Atlas.ti, Dovetail, Nvivo, Zotero, Adobe CC (XD, Photoshop, Illustrator, InDesign, Premier Pro), Figma, Sketch, Invision, Wix, Miro, Jira, ClickUp, Monday, Google Suite, Microsoft Suite

## Service

### Co-editor

Communication, Information Technologies, and Media Sociology Special Issue of Information, Communication and Society 2025

### Evaluator

2025 Mid-Michigan Symposium for Undergraduate Research Experiences

## Hackathon

### MIT Grand Hack 2025, Boston, USA

Selected for the Assistive Technology track at MIT Grand Hack 2025 and co-developed MindBridge, an AI-powered web platform aimed at improving therapy engagement among adolescents with depression. Led research and contributed to technical design, collaborating with an interdisciplinary team of engineers, designers, and researchers.

## Certifications

Associate Certification, CIRTL; Indiana University

Good Clinical Practice, CITI Program

Social/Behavioral Researchers, CITI Program

Biomedical Researcher, CITI Program

Social and Behavioral Responsible Conduct of Research, CITI Program

Biomedical Responsible Conduct of Research, CITI Program

## MOOCs

Planning Your Teaching-as-Research Project, CIRTL

An Introduction to Evidence-Based Undergraduate STEM Teaching, CIRTL

Gamification, Wharton Online

Interaction Design Specialization, University of California San Diego