Deepak Giri

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Research interests

Human-Computer Interaction, Computer-Supported Cooperative Work, Accessibility, Disability studies

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 Univeristy)	2025
Media and Information travel grant (Michigan State Univeristy)	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.

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.

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.

<table>
<tr><td>Research experience</td><td>

Graduate Research Assistant   Aug 2024 – Present

PI: Dr. Megh Marathe (Michigan State University)

Designing an interview study to explore the challenges faced by data experts 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 an gender inclusive software implementation project at a large public university in the US. Uncovered a range of challenges unique to adapting infrastructures for inclusivity.

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, analysed 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.
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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

PI: Dr. Shajulin Benedict (Indian Institute of Information Technology, Kottayam)

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 2022 – Dec 2022

Instructor: Dr. Sonny Kirkley (Indiana University)

Evaluated the assignments, discussions, and exercises of **30 students** in an online course taught by Dr. Sonny Kirkley, INFO-C300 Human-Computer Interaction. Provided inputs into developing appropriate teaching materials to ensure learning objectives are met.

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
Analysed tech-centred bottlenecks for **10+ organisations** 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 – Present
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

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