

A Meghana

Product designer and Researcher

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Work Experience

Subros Limited | Assistant Manager Design Research

Aug 2024- Present , Noida

- Conducted user research and designing Subros' residential thermal cooling appliances to enable entry into the **\$3Bn Indian air conditioner market**
- Developed user behaviour-driven design solutions to enhance the energy efficiency of residential air conditioners
- Led the creation and execution of in-house user survey (N=55) to define design requirements for air purifiers

Department of Design, IIT Guwahati Research Assistant

Aug 2023- April 2024 , Guwahati

- Collaborated with special educators and therapists to understand the motor rehabilitation process to enhance the **IEP process** under the MoU between DoD IIT Guwahati and Sishu Sarothi, Guwahati
- Developed a therapeutic device called **Drut** and a therapist guided rehabilitation app **Druti** which were later introduced to the rehabilitation centre.
- Druti, a SaaS solution will reduce the workload of the physiotherapist and special educators by 60% during the IEP process

Cropin Technology Solutions | UX Design Intern

Jun 2023- Aug 2023 , Bengaluru

- Revamped the user flow for SmartFarm Plus app, a flagship product of Cropin, a SaaS based AgTech provider- to enable field agents to modify farmer contact details, import images from the gallery and expanded filter options.
- Gathered customer requirements for SmartFarm Plus app

Department of Design, IIT Guwahati Teaching Assistant

Aug 2022- April 2023 , Guwahati

- Created an interface for Risk Assessment Test dashboard for hand intensive activities guided by Prof Urmi Salve.
- Conducted research on syllabus of the Ergonomics and Human factors around the world to create a new course structure.

Education

IIT Guwahati | MDes

Jul 2022 - July 2024 , Guwahati

Sir MVIT | E&E Engineering

Aug 2015 - Jun 2019 , Bengaluru

Skills

UX Research
UI Design
Focus group study
Generative AI prompting
Prototyping
User testing
Usability testing
Cognitive walkthrough
Form modelling

Tools

Figma	FigJam
Qualtrics	Google Forms
Photoshop	Teams
Fusion 360	Miro
Adobe Illustration	Keynote

Achievements

A research paper titled 'A novel music based device for hand motor skill rehabilitation of children with cerebral palsy' has been published at **ICoRD, Hyderabad - 2025**

SCE Tech Fest, Israel: Participated in International hackathon for sustainability and circular economy - 2023

VTU gold medal - Art category - 2018

National level painting competition by Ministry of Power, GOI - **Second Prize**
Awarded by former **President of India** Smt. Pratibha Patil - 2007