

A Meghana

Multidisciplinary Designer and
Researcher with 2+ years of experience

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Education

- **Indian Institute of Technology Guwahati, Master of Design** July. 2022- Jun.2024
- **Sir M Visvesvaraya Institute of Technology, Bengaluru , Bachelor of Engineering** Aug. 2015- Jun.2019

Experience

- **Subros Limited** Aug 2024- Present
Assistant manager | Product Designer
Noida
 - Designed a scalable dashboard for manufacturing operations(PDC), integrating real-time IoT sensor data to automate production reporting and reduce manual data entry by 4.5 hours per operator daily and decreased data recording errors by 90% through the design of automated validation workflows
 - Built a foundation stage design system and reusable component library in Figma to support the dashboard ecosystem enabling consistent UI patterns and future scalability across internal industrial applications
 - Conducted user research and designing Subros' residential thermal cooling appliances to enable entry into the \$3Bn Indian air conditioner market by developing 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** Aug 2023- Apr 2024
Research assistant
Guwahati
 - Collaborated with special educators and therapist 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** were introduced to the rehabilitation centre.
 - Druti, as a SaaS solution will reduce the workload of the physiotherapist and special educators by 60% during the Individualized Educational Process
- **Cropin** Jun 2023- Aug 2023
UI/UX Design intern
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** Aug 2022- Apr 2023
Teaching assistant
Guwahati
 - Created an interface for Risk Assessment Test dashboard for hand intensive activities
 - Research on syllabus of Ergonomics and Human factors around the world to create a new course structure

Skills

- **Design Skills:** User Research, User Interviews, Journey Mapping, Information Architecture, Low & High Fidelity Wireframing, Heuristic Evaluation, Prototyping, UI Design, Usability Testing, User flow, Generative AI Prompts, Cognitive Walkthrough, ERAF mapping, Storyboarding, Form modelling, CAD Modelling
- **Technologies & Languages:** HTML/CSS*, Javascript*
- **Softwares:** Figma, Keynote, Adobe photoshop, Illustrator, Fusion360*, Framer* . *Elementary Proficiency

Positions of Responsibility

- **Member, Departmental Postgraduate Programme Committee(DPPC),** DoD, IIT Guwahati Aug. 2022- Jun.2024
- **Class representative,** MDes (Electronic product design) Aug. 2022- Jun.2024

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'25** 2025
- **SCE Tech Fest, Israel:** Participated in International hackathon for sustainability and circular economy 2023
- **Inter VTU Cultural Fest :** Secured **Gold Medal** in On the spot painting and Poster making at the University level 2018
- Patrol Officer Cadet - NCC Naval Wing , 2/8 KAR , Karnataka 2014
- **National Level Painting Competition** by Ministry of Power, **Government of India:** Secured **Second Prize** in all India level competition. Felicitated by the **Former President of India, Smt. Pratibha Patil** 2007