Drubajyoti Debnath

UX Engineer

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I design accessible, user-focused experiences by researching real user needs, crafting intuitive wireframes and prototypes, and collaborating across teams to deliver thoughtful solutions.

Experience

JANUARY 2026 - Current

Junior Resource Person - NIELIT, Agartala

- Developed a containerized Attendance PWA with automated Git deployments, serving 500+ active users.
- Contributed to *Signvert*, an Indian Sign Language–based assistive tool; presented at AI Impact Summit 2026.

JANUARY 2025 - JUNE 2025

SWE Intern - Avant Technoinfra

- Contributed to the UI of the in-house CMS, reducing average user error rate by 20% through revamped navigation patterns.
- Designed clean, and accessible web interfaces that streamlined navigation. Redesigned official website with 95+ PageInsights.

JUNE 2023 - AUGUST 2023

Summer Intern - ETDC, STQC

- Improved MIS workflow efficiency by 2–3 days per project cycle by interviewing internal teams, mapping friction points, and redesigning task flows and dashboards.

JANUARY 2023 - JUNE 2023 (Part-time)

UI Designer - Gymmi

- Designed fitness app experiences through user research, prototyping, and cross-functional developer collaboration.

OCTOBER 2021 - APRIL 2022 *(Part-time)*

Freelance Designer - Meadowlands Racing

- Collaborated on a project for an international client to enhance the usability of their WordPress website using SCSS based UI.

AUGUST 2019 - MARCH 2021 *(Part-time)*

Web Designer - Software World

- Created intuitive, responsive UIs with CSS and progressive enhancement, collaborating on REST API integrations.
- Improved cross-device support and cut mobile drop-off by ~30% through layout and performance refinements.

Skills

User Research & Usability Testing
Wireframing & Prototyping
Accessibility (WCAG & GIGW)
Interaction Design & UX Flows
Progressive Web Apps (PWAs)
Responsive UI Design
Design Systems & Mockups
Git & Version Control

Figma • Adobe Suite • Miro • Docker • HTML/CSS • JavaScript • Git • Linux • C/C++ • Python • Angular

Projects

AMS : Attendance Management System using Django + MySQL + Docker.

ScrapCooks : A Case Study on a recipe generator with leftover foods.

Certificates

Google UX Design (Coursera)
Responsive Design (freeCodeCamp)
Javascript DSA (freeCodeCamp)
Hemoglobin Prediction (IEEE Published)

Education

MRIIRS, Faridabad -B.Tech CSE
JULY 2022 - JUNE 2025 7.5 CGPA

NIELIT, Agartala -Diploma in CSE
JULY 2019 - JUNE 2022 8.2 CGPA