

RITUPARNA PRADHAN

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[Github](#) | [Portfolio](#) | [LinkedIn](#)

EDUCATION

ODM Public School

2021 - 2023

Class 12th (CBSE)

- Percentage: **94%**

Institute of Technical Education and Research, SOA University

2023 - 2027

B.Tech in Computer Science and Information Technology (CSIT)

- Currently in 3rd year, **CGPA: 9.64**

TECHNICAL SKILLS

Programming Languages: Java, JavaScript, Python, C++

Frameworks and Tools: React.js, Node.js, Figma, MongoDB, TailwindCSS, Git, Express.js, Nodemailer

Cloud Platforms: Vercel, Cloudinary

PROJECTS

TruTouch: Low-Cost Prosthetic Hand | React.js, UI/UX, Arduino IDE, Student Startup

[Preview](#)

- Built a product website using React.js, deployed through Vercel, to present project vision and updates regarding project.
- Currently developing Python-based machine learning pipeline to calibrate and classify EMG signals for controlling prosthetic hand movements.
- Designed experimental workflow using Arduino IDE for servo actuation, with planned integration into the hardware prototype.
- Led ideation and UI/UX design, collaborating with the team to ensure accessibility and usability.

AyurSutra: Ayurveda Patient Management & Therapy Scheduling App | UI/UX, Node.js, SIH2025

[Preview](#)

- Implemented secure user authentication and authorization workflows using Google OAuth API, integrating MongoDB schemas for user profiles, session management, and access control in Node.js.
- Developed an automated email notification system leveraging Nodemailer, implementing triggers for appointment scheduling, reminders, and critical workflow events.
- Designed and implemented a user management module, connecting frontend REST APIs to MongoDB collections, handling CRUD operations, scheduling logic, and real-time data validation for seamless workflow coordination.

Cloning Websites | HTML, CSS

- Amazon Clone:** Recreated the front-end of Amazon's e-commerce platform using HTML and CSS, focusing on grid-based layouts, product listing structures, and responsive page sections.
- Netflix Clone:** Replicated the landing page of Netflix with HTML and CSS, practicing typography, visual hierarchy, and responsive media placement for streaming UI design.

[Preview](#)

[Git-Repo](#)

ACHIEVEMENTS

AIIMS Bhubaneswar MUN 2025 – **Honorable Mention** (China, Women in Media);

Coding Ninjas Design-a-thon – **Winner, Best UI Design** (CXO Café).

CONTRIBUTIONS

Arcanum: Student Notes Sharing Connection App | Figma

- Collaborated with the team to design intuitive and user-friendly mobile app interfaces, focusing on UI/UX wireframing, layout consistency, accessibility, and visual appeal.