

UJJWAL SINGH

3rd year Undergraduate

National Institute of Technology (NIT) Jamshedpur

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EDUCATION

Year	Degree/Certificate	Institute	CGPA/Marks
2023 - Present	B.Tech	National Institute of Technology (NIT), Jamshedpur	9.35/10
2023	CBSE (XII)	Madhuban Central School (MCS) , Madhuban	93
2021	CBSE (X)	Madhuban Central School (MCS) , Madhuban	92.4

PROJECTS

Raksha | [View App](#) | [View Source Code](#)

Jun'25

- Developed Rakshaa, a full-stack smart healthcare platform with role-based access (Patient, Doctor, Pathlab) supporting authentication, appointments, lab test bookings, and real-time chat.
- Implemented an ML-based disease prediction model that suggests diagnoses, precautions, and medications, and integrated an AI chatbot for real-time health query resolution.
- Enabled report uploads, doctor-patient chat, and personalized medication tracking to ensure continuous care and improve user engagement across all roles..

• Tech Stack: **Next.js, Tailwind CSS, Shadcn/UI, MongoDB, Socket.IO, Custom ML Model, Gemini AI Chatbot,**

DesiDriveX | [View App](#) | [View Source Code](#)

Feb'25

- A car rental platform that allows users to search, filter, and book vehicles with an integrated payment system.
- Includes features like user authentication, booking management, and email/notification updates for both renters and owners.
- Admin can add, update, or remove car listings and manage user accounts efficiently.
- Tech Stack: **React, Node.js, Express.js, MongoDB, HTML, CSS, JavaScript, Tailwind CSS**

Re-Wear | [View App](#) | [View Source Code](#)

Jul'25

- Rewear is a full-stack sustainable fashion platform where users can list, swap, or resell pre-owned clothing, featuring real-time swap notifications, smart search, and product sustainability metrics like green points and emission savings.
- Tech Stack: **Next.js, Tailwind CSS, Shadcn/UI, MongoDB, Socket.IO**

TECHNICAL SKILLS

- **Languages:** C, C++, Python, JavaScript, TypeScript, SQL
- **Web:** NextJs, ReactJs, NodeJs, ExpressJs, HTML, CSS, TailwindCSS, MongoDB, MySQL
- **Tools:** Git and GitHub, Postman
- **CS Fundamentals:** DSA, Computer Networks, OS, DBMS

COMPETITIONS

Amazon HackOn Season 5 Finalist – Prototype Submission Round, 2025 [View App](#) | [View Source Code](#)

Jun'25

- Selected among the Top 130 teams out of 14,971 to qualify for the Prototype Submission Round in Amazon HackOn Season 5.
- Developed **GreenKart**, an AI-powered sustainable shopping platform featuring a dynamic dashboard, intelligent green product recommendations, real-time carbon footprint tracking, and optimized grouped delivery system to minimize environmental impact through shared logistics, along with eco-conscious nudges to promote sustainable choices.

Web Hackathon, 2025

Feb'25

- Built a responsive and scalable platform using React, Node.js, Express.js, and MongoDB to showcase research papers, projects, achievements, and teaching experience

POSITIONS OF RESPONSIBILITY

PCON Member | Programming Club Of NIT Jamshedpur

Apr'25 - Present

Web Team Member | Society Of Computer Science And Engineering, NIT Jamshedpur

Feb'25 - Present

- Part of the **8** member team of SCSE , which aims to develop and maintain the website of the Computer Science Department