

Puja Rani Das

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EDUCATION

National Institute of Technology, Jamshedpur

B.Tech in Electronics and Communications Engineering | CGPA : 7.9

Jharkhand, India

August 2023 – Present

Government Girl's +2 High School, Bariatu, Ranchi

Class-12th JAC | Percentage : 89

Jharkhand, India

April 2020 – April 2022

Model School, Nimdih

Class-10th JAC | Percentage : 90.8

Jharkhand, India

April 2015 – April 2020

PROJECTS

Books4All – Smart Book Donation Platform (Group Project) | [View Project](#) | [Source Code](#)

3rd April 2025

- Built during UBS Hackathon to connect book donors with underprivileged schools through smart matching and transparent logistics.
- Implemented JWT auth; donors upload books with metadata and OCR (Tesseract), schools request by grade/language.
- Used Gemini LLM for book classification; ML-driven need analysis for request prioritization.
- Matched users based on region, subject, and urgency; tracked deliveries with OTP/photo and QR verification.
- Optimized delivery routes via Google Maps + TSP; integrated AR/VR for logistics and volunteer support.
- Designed with 7 microservices (1 client, 6 servers) for modular operations and admin analytics.
- **Tech Stack:** MERN, Socket.io, Tesseract.js, Google Maps API, Gemini LLM, Python, Scikit-learn

Jumping Minds – Anonymous Real-Time Chat Platform | [View Project](#) | [Source Code](#)

- Built a mental well-being support platform that enables users to engage in anonymous real-time chats, helping them share thoughts and emotions freely with strangers.
- Focused on emotional relief for users feeling stressed or frustrated by facilitating spontaneous conversations with online peers.
- Implemented JWT-based authentication, real-time chat using Socket.io, and RESTful APIs for seamless communication.
- Designed intuitive and responsive UI with active chat rooms, minimal distractions, and lightweight interaction flow.
- **Tech Stack:** React.js, Node.js, Express.js, MongoDB, Socket.io (MERN)

SKILLS

- **Languages:** C++, JavaScript, HTML
- **Web Development:** React.js, CSS, Tailwind CSS, NodeJS, Express.js, MongoDB, Zustand, WebSocket
- **Tools:** Git, GitHub, Render, Netlify, vercel, VS Code
- **CS Fundamentals:** Data Structure and Algorithm (DSA), Object Oriented Programming (OOPS), DataBase Management System (DBMS)

ACHIEVEMENTS

- **Finalist - UBS Hackathon 2025**, UBS Office Pune. [View Certificate](#)
- **Cleared** - Institute-level of **Smart India Hackathon**
- **Finalist - Code Galactor** by Techgig
- **Winner** - Startup Ideathon by E-Cell, OJASS Tech Fest
- **Best Girl Performer** - CP Contest by SECE, NIT Jamshedpur
- **Mentee** - **Codess.Cafe OSS Program, Cohort 6**
- **Contributor** - **GSSoC'24 (Girls Script Summer of Code)**
- **Ranked 3rd** - Innovision Event, OJASS Tech Fest
- **Solved 600+** problems on various coding platforms - Codeforces, Leetcode, GFG, HackerRank, Codechef, CodeStudio.

POSITION OF RESPONSIBILITIES

- **Web Team Member** - **INNOREVA** (Tech Club for Real-World Problems), **NIT Jamshedpur**.
- **Chess Team Vice Captain** - **NIT Jamshedpur**.
- **Volunteer** - **Unnat Bharat Abhiyan, NIT Jamshedpur** (Community Outreach Initiative)

PROFILES

- [Codeforces](#): 1046 | [HackerRank](#): 5* | [Codechef](#): 1260 | [LeetCode](#): 1490