

Debashis Pani

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Education

B.Tech in Information Technology, Kalinga Institute Of Industrial Technology
CGPA: 8.22 (Up to 6th Semester), Graduation Year: 2026

Experience

Intern, NTRO (National Technical Research Organisation)

May 14 – Aug 20, 2025

Worked on a government-backed, high-security application under a strict **NDA**. Full-stack development using **React**, **FastAPI**, **Laravel**, **PostgreSQL**, and **Docker**. Automated workflows with **Python** scripts.

Intern, Remodel Ai

Feb 2025 – Apr 2025

- Built a real-time voice calling application using WebSockets, OpenAI's voice API, and Twilio, reducing latency by 35%.
- Integrated backend systems ensuring reliable concurrent communication.

Smart India Hackathon 2024 - Grand Finalist (Tech Lead)

- Led a team of 6 to build **Market Scout**, a MERN-based price comparison engine reducing search time by 40% using Playwright + Redis.
 - Delivered MVP with 98% functionality coverage on time.
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Projects

Patient Management System (Microservices)

Built using **Spring Boot**, **gRPC**, **Docker**, and **PostgreSQL**. Implemented microservices with Kafka-based communication and secure data exchange:

- **Patient Service** – manages patient records and medical details.
- **Billing Service** – handles billing, invoices, and payments.
- **Analytics Service** – provides insights and reports from patient/billing data.

Code: github.com/pani2004/Patient-Management-System

SKYPACS - Picture Archiving and Communication System (PACS)

Developed a PACS server using the **MERN stack** to manage DICOM images. Deployed on my own home server using **Docker**, **Nginx**, and **GitHub Actions** for CI/CD.

Demo: skypacs.in

Market Scout - Price Comparison Scraper

MERN-based product price aggregator using Playwright scraping, Redis caching, and Nginx load balancing.

Code: github.com/pani2004/Price-Automation

Real Estate - A MERN Real Estate Application

Created using the MERN stack

Code: github.com/pani2004/Mern-Estate

Demo: mern-estate-932i.onrender.com

Comment App - Full Stack Commenting System

Developed with **React (Vite)**, **NestJS**, **PostgreSQL**, **Prisma**, and **Docker Compose**.

Code: github.com/pani2004/Comment_App

Portfolio Using React & Tailwind CSS

Personal portfolio website showcasing projects and skills.

Demo: portfolio-beta-liart-56.vercel.app

Code: github.com/pani2004/Portfolio

Technical Skills

Languages: C++, Java, C, HTML, CSS, JavaScript

Frameworks/Libraries: React, Tailwind CSS, Express.js, Spring Boot, Laravel,

Databases : PostgreSQL, MySQL, MongoDB,

Tools: Docker, Git, GitHub, Prisma, Kafka, Redis, AWS EC2