SANKALPA PANDA

DOB: 24 Aug 2005   Rourkela Odisha

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Education

National Institute of Technology, Rourkela	**Aug 2023 – Present**
B.Tech in Industrial Design (CGPA: 9.07) — Minor in CSE (CGPA: 8.92)	*Rourkela, Odisha*
DAV Public School, Bandhbahal	**May 2023**
AISCCE – CBSE, Science (PCM) (Percentage - 96.8%)	*Jharsuguda, Odisha*
Belpahar English Medium School	**May 2021**
CISCE – ICSE (Percentage - 96.8%)	*Jharsuguda, Odisha*

Relevant Coursework

- Data Structures and Algorithms
- Object Oriented Programming
- Database Management System

Work Experience

Teachbetter.ai — **August 2025 – September 2025**
Backend Developer Intern — *Remote*

- Built an **intelligent grading system** to **automate MCQ assessment**, processing student responses against an answer key to **streamline the grading process** for teachers.
- Developed an **AI-powered pronunciation evaluator** that provides **real-time feedback** on speech errors, integrating **speech recognition** to improve user fluency.

AirAce Technologies — **June 2025 – August 2025**
Software Developer Intern — *Bhubaneswar, Odisha*

- Developed and deployed a production-grade **NTRIP Caster–Client system** for real-time GNSS data streaming, boosting geospatial accuracy by **40%**.
- Engineered a scalable and **modular frontend architecture** for the GNSS desktop application using modern UI frameworks, reducing UI-related bug reports by **30%** and improving overall performance and user experience .

Projects

NerveConnect — **Aug 2025 – November 2025**
MERN Stack, Tailwind CSS, JWT, Gemini-API — *GitHub*

- Built an **AI-powered clinic management platform** with a secure **Doctor Dashboard** and public-facing website.
- Implemented secure **JWT authentication** with HTTP-only cookies to protect all patient data and dashboard routes.
- Integrated an **AI model** to **draft prescriptions**, requiring final **doctor review and approval** before saving.

Sales Management System — **Mar 2025 – May 2025**
React, TypeScript, MySQL, Node.js, Tailwind CSS — *GitHub*

- Developed a full-stack **CRM system** with **15+ CRUD modules** to manage **sales, customers, inventory**.
- Optimized **MySQL queries, indexing, and joins** to handle 1,000+ records with 50% faster performance.
- Delivered a responsive **dashboard UI** and built scalable **RESTful APIs** for real-time synchronization.

Achievements/Certifications

- **Hackfest'25 – IIT(ISM) Dhanbad** — **Certificate**
  2nd Place in Atom-HR Problem Statement among **100+** teams.
- **CodeClash'25 – National Coding Competition** — **Certificate**
  Ranked **480/4000+** participants nationwide.

Technical Skills

- **Languages**: C, C++, Python, JavaScript, TypeScript, HTML, CSS, MATLAB, SQL
- **Frameworks/Technologies**: React.js, Node.js, Express.js, MongoDB, MySQL, Tailwind CSS, Git, Cloudinary, JWT Auth, Google Cloud Platform
- **Developer Tools**: VS Code, MySQL Workbench, GitHub

Extracurricular Activities

INNOVISION – NIT Rourkela — **Nov 2024**
Event Coordinator

- Coordinated with **5+ clubs** to support **10+ events**, ensuring smooth execution.
- Led planning and management of **10+ major events**, overseeing resources and **live troubleshooting**.