SANKALPA PANDA

DOB: 24 Aug 2005   Belpahar, Jharsuguda, Odisha

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Education

National Institute of Technology, Rourkela   **August 2023 – Present**
Bachelor of Technology in Industrial Design (CGPA - 9.01)   *Rourkela, Odisha*
Minor in Computer Science Engineering (CGPA - 8.63)

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

AirAce Technologies   **June 2025 – Present**
Software Developer Intern   *Bhubaneswar, Odisha*
- Engineered a robust **NTRIP Caster–Client system** to stream real-time GNSS data, significantly improving positioning accuracy for geospatial applications.
- Designed and implemented a **scalable, modular frontend** for the **Airace desktop application** using modern UI frameworks, enhancing usability and performance.
- Collaborated across backend, and hardware teams to **optimize latency and system throughput**, ensuring seamless, **high-speed GNSS data integration**.

Projects

MusicListener   **May 2025 - June 2025**
MongoDB, Express.js, React.js, Node.js, Tailwind CSS   *GitHub*
- Built a complete **full-stack music streaming application** with secure dual-role login (Admin and User), supporting song playback, album uploads, and playlist creation.
- Developed **role-based access control** with JWT authentication and HTTP-only cookies to manage user permissions.
- Integrated **Cloudinary** for media storage and retrieval, enabling smooth handling of album uploads in real time.

Sales Management System   **March 2025 - April 2025**
React, TypeScript, Tailwind CSS, Node.js, Express.js, MySQL   *GitHub*
- Designed and developed a scalable **Sales Management web platform** with secure login, role-based access, and real-time data synchronization.
- Created a responsive and user-friendly interface using **React, TypeScript, and Tailwind CSS**, enabling smooth management of customers, products, sales, and reports.
- Implemented a robust backend using **Node.js, Express.js,** and **MySQL** to support complete CRUD operations.

Achievements/Certifications

- **Winner: Hackfest'25(IIT(ISM) Dhanbad)**   **April 2025**
  Won **2nd Position** in Atom-HR Problem Statement in **HackFest'25 IIT(ISM) Dhanbad**.   Certificate
- **Rank Holder: CodeClash'25**   **May 2025**
  Got **480th** Rank among **4000+** participants in **CodeClash'25**.   Certificate

Technical Skills

- **Languages**: C, C++, Python, HTML, CSS, Javascript, MATLAB, SQL, TypeScript
- **Operating Systems**: Windows, MacOS
- **Developer Tools**: VS Code, MySQL Workbench, Google Cloud Platform
- **Technologies/Frameworks**: GitHub, Anaconda

Extracurricular Activities

INNOVISION   **November 2024**
Event Coordinator   *NIT Rourkela*
- Collaborated with the **Requirements Team** to support 5+ clubs and 10+ events, ensuring smooth execution.
- Led **planning** and **management** of **10+ major events**, handling resource allocation, and live troubleshooting.