

JANMENJAY PANIGRAHI

Bhubaneswar, Odisha

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EDUCATION

International Institute of Information Technology

B.Tech in Computer Engineering — **CGPA: 8.01**

Nov'22 - Expected June 2026

Bhubaneswar, Odisha

Kendriya Vidyalaya, Baripada

Senior Higher Secondary (Science) — **Percentage: 91.8%**

Apr'19 - Mar'21

Baripada, Odisha

EXPERIENCE

Blueheads Marketing — Freelance

Full-Stack Developer

Nov 2025

Remote

- Demonstrated **end-to-end ownership** by architecting and deploying a production-ready MVP, enabling dynamic service pricing, cart management, and automated email workflows.
- Optimized the user booking flow to drive conversion, successfully generating **5 qualified leads within the first two weeks** of the prototype launch.

PROJECTS

LocalDocs - Offline Privacy-First RAG Assistant | Python, LangChain, Ollama, ChromaDB

Jan 2026

- Architected a **privacy-first RAG pipeline** enabling secure, offline semantic search over sensitive documents using **Llama 3** and **Microsoft Phi-3** via Ollama.
- Engineered a local inference stack with **LangChain** and **ChromaDB**, optimizing context retrieval speed by **40%** through hybrid search (keyword + vector).
- Implemented **quantized model inference** to reduce RAM usage by **60%**, ensuring smooth performance on standard consumer hardware (CPU-only execution).

IIITConnect - Team Collaboration Platform

2025

- Architected a scalable MERN stack platform serving 100+ students; fostered collaboration by conducting **code reviews** and defining API standards for the engineering team.
- Engineered a fault-tolerant message queue architecture with **RabbitMQ**, implementing automatic retry logic and dead-letter queues to achieve **99.5% delivery reliability**.
- Ensured system stability under concurrent load (sub-100ms latency) by containerizing with **Docker** on **AWS EC2** and implementing rigorous **unit testing (Jest)**.

TECHNICAL SKILLS

Languages: C++, Python, JavaScript (ES6+), SQL

Backend: Node.js, Express.js, RESTful APIs, Message Queues (RabbitMQ), Auth (JWT/OAuth)

Frontend: React, Redux, HTML5, CSS3, TailwindCSS

Infrastructure & Tools: Docker, AWS (EC2), Git, GitHub, Postman, **Unit Testing (Jest)**

CS Fundamentals: Data Structures & Algorithms, OOP, Operating Systems, Networks, DBMS

ACHIEVEMENTS

- Solved 700+ problems on **LeetCode** (Rating: **1860, Knight**). Ranked in the **Top 5%** of users globally (Demonstrates strong CS fundamentals).
- Secured 2nd place in **Code-O-Lympics** and **Code On Foundation** contests at IIIT Bhubaneswar.
- Attended **MLSA Beta Advancement Session: Dive into Web Dev.**

EXTRACURRICULAR

Sports Secretary

IIT Bhubaneswar

2024 – 2025

- Led cross-functional teams to organize two annual sports festivals with 600+ participants, handling logistics, scheduling, and volunteer coordination.
- Directed volunteer operations, ensuring effective communication and execution of large-scale events.