

SATYAJIT SAHOO

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❖ SUMMARY

Full-stack & AI developer skilled in MERN, LangChain, RAG, and cloud workflows, building fast, scalable, and production-ready applications

❖ PROJECTS

ConferX – AI-Powered Video Conferencing Platform

Tech: React.js, Node.js, Express.js, WebRTC, JWT, Socket.io, OpenAI API

- Developed real-time meeting transcription, summarization, and action item generation using OpenAI.
- Implemented peer-to-peer video calling with WebRTC and low-latency signaling using Socket.io.
- Built secure REST APIs and integrated user session handling.

RAG Agentic AI Chatbot

Tech: Python, LangChain, OpenAI API, Qdrant

- Built a Retrieval-Augmented Generation chatbot for answering queries from custom documents.
- Designed embeddings, document chunking, vector search pipeline in Qdrant.
- Added agentic tool-calling for web search and structured data extraction.

SigmaGPT – AI Chat Application

Tech: MERN Stack, MongoDB, REST, OpenAI APIs

- Refactored full-stack architecture, reducing code complexity by 25%.
- Implemented structured REST endpoints and JWT-based authentication.
- Deployed app on Render with CI/CD.

StockBuddy – Stock Trading Platform

Tech: React.js, Express.js, MongoDB, Chart.js

- Built real-time stock charts and portfolio analysis dashboard.
- Increased user engagement by 20% through interactive visual components.
- Designed database schema for efficient stock data storage.

❖ SKILLS

- **Languages:** Java, JavaScript, Python
- **Frontend:** React.js, Next.js, Redux, Tailwind CSS, GSAP, Material UI, Bootstrap
- **Backend:** Node.js, Express.js, REST APIs, JWT Authentication
- **Databases:** MongoDB, MySQL
- **AI/ML:** LangChain, OpenAI API, RAG Systems, Vector Databases (Qdrant), Embeddings, Prompt Engineering, Agentic Workflows
- **DevOps & Cloud:** Docker, Kubernetes, GitHub Actions, CI/CD, AWS, Render
- **Tools:** Git, Hoppscotch, VS Code
- **CS Fundamentals:** DSA, OOP, OS, DBMS

❖ EDUCATION

- Utkal University (RRVDM), Cuttack | **2023–2026**
B.Sc in Computer Science | CGPA: 8.6 (2nd year)

- Utkal University (GSC Higher Secondary School), Cuttack | **2021–2023**
Intermediate in Science | Grade: 68.5 %

❖ ACHIEVEMENTS

- Achieved Global Rank **1421** among **20,000+ participants** in a LeetCode Weekly Contest.
- Solved **500+ Data Structures & Algorithms problems** across LeetCode and GFG.
- Contributed **frontend development** at **IIT BBSR Web Hackathon 2025**.
- Cleared multiple **HackerRank** skill tests in problem-solving and programming.
- **LeetCode Profile:** leetcode.com/u/SATYAJIT-SAHOO
- **GFG Profile:** geeksforgeeks.org/user/satyajitsaf4tx