

UDAYADITYA PARBAT

Bhubaneswar, Odisha

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Education

Kalinga Institute of Industrial Technology (KIIT)

2023–2027

B.Tech in Computer Science and Engineering

Technical Skills

- **Languages:** C++, Python, Java, JavaScript, Dart
- **Data Structures & Algorithms:** Arrays, Linked Lists, Stacks, Queues, Trees, Graphs, DP, Greedy
- **Core CS:** Operating Systems, Computer Networks, DBMS, OOP
- **Web Development:** REST APIs, Node.js, Express, React
- **Databases:** MySQL, MongoDB
- **Tools:** Git, GitHub, VS Code
- **Machine Learning:** Generative AI

Experience

IT Intern — Airports Authority of India (NSCBI Airport)

June 2025–July 2025

- Revamped Retiring Room Booking System, reducing manual processing effort through backend automation.
- Built modular backend components to streamline booking workflows and improve system reliability.
- Supported testing and deployment, ensuring smooth integration within airport IT infrastructure.

Projects

RAG-based Research Assistant (PaperBot)

GitHub

- Built a Retrieval-Augmented Generation pipeline to query research papers with contextual accuracy.
- Integrated semantic search using embeddings, improving relevance of retrieved information.
- Designed scalable ingestion and indexing pipeline for efficient document processing.

Vayu — Personalized AQI Health Prediction App

GitHub

- Developed cross-platform Flutter app delivering real-time AQI insights via REST APIs.
- Designed personalized health prediction logic combining environmental data with user medical history.
- Enabled dynamic recommendations through efficient API handling and UI rendering.

AAI Retiring Room Booking System

GitHub

- Built full-stack reservation system with integrated frontend-backend workflow.
- Automated booking validation and database operations, reducing manual intervention.
- Improved usability through structured system design and optimized data handling.

Rigel Foundation Official Website

Live

- Developed scalable NGO platform improving digital presence and outreach.
- Built volunteer onboarding and content workflows for efficient data management.
- Optimized UI/UX to enhance user engagement and accessibility.

Leadership & Social Impact

Founder, Vice Chairman & CEO — Rigel Foundation

Feb 2020–Present

- Led 40+ initiatives across education, healthcare, and environmental domains.
- Managed cross-functional teams, partnerships, and large-scale outreach campaigns.
- Built digital systems to streamline volunteer coordination and operations.

Head Boy — Sudhir Memorial Institute

2022–2023

Smart India Hackathon 2025

KIIT Finalist

Campus Involvement

AlgoZenith KIIT — Head of Marketing & Social Media

GeeksforGeeks KIIT — Broadcasting Team

Achievements

Youngest NGO Founder in India — India Book of Records

Languages

English, Hindi, Bengali