

HIMANSHU MOHANTY

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TECHNICAL SKILLS

Programming Languages: C++, Python, JavaScript, HTML, CSS, SQL

Framework/Libraries: Node.js, React.js, Streamlit

Database: MySQL, MongoDB

Cloud: AWS, GroqCloud, Vercel, Netlify

Version Control: Git, Github, Huggingface

EDUCATION

Kalinga Institute of Industrial Technology, BBSR, Odisha

B.Tech, Computer Science Engineering

Graduating 2025

8.71 CGPA

Relevant coursework: **Data Structures, Object Oriented Programming, DBMS, Operating system, Computer Network**

EXPERIENCE

Samsung R&D Institute India, Remote: *Research & Development Intern*

Jun 2024 - Nov 2024

- Developed a **User Consent Manager** using **transformer-based models (LLAMA 3.2, RoBERTa)** to detect unfair clauses with **86% accuracy and 90% precision**, streamlining real-time notifications for enhanced **data transparency**.
- Tech Used:** *Python, NLP, Transformers, LLAMA 3.2, RoBERTa, Streamlit*

National Aluminum Company, Angul, Odisha: *Summer Intern*

Jun 2023 – Jul 2023

- Led the **MIS system development** for the Captive Power Plant, enabling **real-time data monitoring** and reducing manual reporting by **60%**, while improving **system reliability and cross-departmental decision making**.
- Tech Used:** *PHP, MySQL, JavaScript, HTML/CSS, Bootstrap*

PROJECTS

OdiaLingua - Breaking Language Barriers with AI

Feb 2025

AI-powered chatbot platform for preserving and promoting Odia language

- Created an **innovative AI chatbot platform** featuring **natural conversations, real-time information, and text-to-speech capabilities**, making Odia language accessible through modern technology.
- Tech Used:** *React, FastAPI, Groq API, Hugging Face TTS, Appwrite, Tailwind CSS*

Veloce AI - Intelligent Automotive Assistant

Nov 2024

Enhanced automotive experiences with AI-driven vehicle integration

- Developed an **intelligent virtual assistant** for car owners, integrating vehicle systems, mobile apps, and cloud services for **comprehensive vehicle management and user experience**.
- Tech Used:** *Streamlit, MySQL, Groq API, ElevenLabs API, OpenWeatherMap API*

TOSRoberta - Terms of Service Analyzer

Jun 2024

SOTA AI-powered Terms of Service analysis system

- Created a **ToS analysis system** using fine-tuned RoBERTa model achieving **89% accuracy**, enabling efficient contract review through color-coded clause assessment.
- Tech Used:** *Transformers, BERT, Python, Natural Language Processing*

CINEHOOD - Ultimate Movie Information Hub

Dec 2023

Comprehensive movie platform with modern features

- Built a **feature-rich movie hub** with **user authentication, dark mode, watchlists, AI recommendations, and voice search capabilities** using React.js and Redux.
- Tech Used:** *React.js, Redux.js, Material-UI, REST APIs, axios*

PUBLICATIONS

NeuroCogNet: Advanced Computational Intelligence for Neurological Diagnosis

Oct 4, 2024

Published in Springer DoSCI 2024 Proceedings, Lecture Notes in Networks and Systems, vol 1086.

- Designed and developed **NeuroCogNet**, an AI-driven CAD system for improving diagnostic accuracy of Alzheimer's (**96.2%**), Parkinson's (**97.1%**), stroke (**95.4%**), and epilepsy (**94.8%**). The system features an ensemble model, explainability modules, and cloud-based deployment, optimizing batch processing to **23 seconds for 128 samples**.