

MONALISA BEHERA

Rourkela, Odisha

+91 7735261140

monalisabehera140@gmail.com

monalisa-behera

monalisa22

Education

National Institute of Technology, Rourkela

December 2021 - June 2025

Bachelor of Technology in Electronics and Communication Engineering(CGPA of 8.02)

Odisha, India

DAV Public School, Unit-8, Bhubaneswar

April 2019 - April 2021

Senior Secondary (Percentage 98.6)

Odisha, India

DAV Public School, NTPC/TTPS

2019

Matriculation (Percentage 97.8)

Odisha, India

Experience

Qualcomm, Hyderabad

January 2025 - Present

MST Intern

On-Site

- Built MST Chatbot using multi-modal LLMs and RAG to answer engineer queries with data from text, images, tables, audio, and video.
- Implemented multi-vector retrieval for efficient embedding, summarization, and accurate, cited responses.
- Improved support efficiency with a user-friendly interface, prompt suggestions, and detailed image explanations.

SAP Labs, Bangalore

May 2024 - July 2024

SDE Intern

On-Site

- Developed an end-to-end product based inventory management application for SAP's D-shop using CAP NodeJS.
- Integrated the app with Joule digital assistant for the D-shop by fetching the endpoints of D-shop RAG service.
- Got hands-on experience with SAP Cloud Application Programming Model, SAP UI5, AP AI Core, OData protocols, implementation of XSUAA and deployment in SAP BTP platform using HANA cloud.

Projects

Tokenised Asset Management | *Solidity, js-uport, Ethereum Blockchain, Web3, React* | [Github Link](#) **December 2024**

- Developed a blockchain-based Tokenization platform to liquidate assets like Stocks, Pre-IPO Equities, Land and Real Estate, Gold, etc..
- The platform tokenizes such assets into equivalent worth of ERC20 tokens so that multiple investors can invest in same asset with any amount of money.

Nexus | *Mistral AI, Hugging Face, Langchain, ChromaDB, React, ChatCSV* | [Github Link](#)

October 2024

- Built an AI-powered engine that uses LLM to analyze business data and offer actionable strategies.
- Developed an interactive QA system with real-time visualizations of AI insights, where users can ask detailed questions and get contextually relevant answers.

Future Wear Techathon(Titan) | *Python, Numpy, Pandas, Flask, Firebase, OAuth2.0* | [Github Link](#)

Aug 2023

- Gathered health data from various health sensors and created a realtime database using Firebase API.
- Trained Machine Learning model and predicted fitness score with an accuracy of 95% by MLPclassifier.

Road Safety and Management | *Python, OpenCV, EasyOCR, YOLOv8* | [Github Link](#)

Aug 2022

- Real Time Tracking of vehicles and speed detection using camera.
- Detected Number plate using the ANPR technique and generated a centralised database for all vehicles.
- Automated the Challan cut system for overspeeding vehicles and message was sent to the driver via WhatsApp.

Achievements

- Hard War 2.0 Hackathon **Runners Up** | [Certificate](#)
- Future Wear Techathon **Grand-Finalist** (top 5 among selected 10 teams)
- Reached the semifinals and was ranked among the top 10-30 teams in eYRC'2022 | [Certificate](#)
- Flipkart Grid 4.0 **Grand-finalist** in Robotics Challenge
- Awarded with Chanakya UG Fellowship and researched on the project "Smart Pillars" under iHUB DivyaSampark to improve road management and safety by 90%. | [Award Letter](#)
- TIH-IoT IDEATE Competition TechFest, IIT Bombay **Runners Up** | [Certificate](#)
- Devbhoomi Cyber Hackathon'22 **Runners Up**

Technical Skills

Languages: C, C++, Python

Operating Systems: Linux, Windows

Technologies/Frameworks/Libraries: Numpy, Pandas, Pytorch, ReactJS, NodeJS, Solidity, Web3JS

Relevant Courses: Data Structures and Algorithms, DBMS, Object Oriented Programming, Internet of Things, Machine Learning, Blockchain Technology