

SUMMARY OF QUALIFICATIONS

- Experienced AI Engineer with machine learning and programming skills seeking employment with an innovative AI firm to expand my skill set and software programming proficiency.
- Great Experience working with open-source tools.
- Strong expertise in predictive modelling, human-AI interaction, and optimizing AI-powered chatbots

EDUCATION

Kalinga Institute of Technology (KIIT)
BTech in CSE

Bhubaneswar, Odisha
2021-2025

TECHNICAL SKILLS

- **Programming Languages:** JavaScript, Python, C# (Unity)
- **Database:** Prisma, MongoDB
- **Stacks:** MERN, Python
- **Technology:** Flask, Reactjs, Nextjs, Html, CSS, Pytorch, Dockers, GithubActions, Unity

RELATED EXPERIENCE

Cognizance

AI Intern

- Designed a Sentiment Analysis Chatbot Using **Pytorch** Networks and Made it interactive using **Flask**.
- Gathered different types of datasets and worked on them with interactive replies.

PROJECT EXPERIENCE

Y (Social Media)

[Github](#)

- A social media platform where users can share messages, make communities and act as a public forum.
- A Fullstack **Next.js** application with **Prisma**, **PostgreSQL** (via **Neon**), file uploads through **Uploadthing**, Clerk for **Auth**.
- **Shadcn-UI** is used majorly for the Frontend.

Driver Drowsiness Detection

[Github](#)

- A computer vision model to detect driver drowsiness with **over 65% accuracy** using **OpenCV** for real-time face detection and a **CNN** for state classification built from scratch.
- A real-time drowsiness detection system using **ViT-based Transformer models** and OpenCV. Achieved **90%+ accuracy** in detecting drowsy states with **20-frame thresholds**. Integrated GPS to identify the user's location and recommend **5+ nearby rest areas**, triggering **2 alert mechanisms**: audio alarms and emergency calls.

AI Agents/Agentic Systems | [Github](#)

- A list of Agentic Systems which either uses Frameworks like **CrewAI**, **SmolAgents** or made with **Python**
- *Itinerary Planner*: Two projects that generate travel plans based on budgets using **CrewAI** and **SmolAgents**.
Model Tuner: Compares **HuggingFace** models to recommend the best fit for specific use cases, offering detailed insights into the selection process.
AgriAI: Fine-tunes two models using JSON and CSV data—one for image analysis and the other as a chatbot for agricultural support.

CERTIFICATIONS

- [AI Certificate](#) | [Python Certificate](#)