

# Ankit Saha

Roll No.: B421007

Bachelor of Technology (Information Technology)

International Institute of Information Technology, Bhubaneswar

+91-8260854955

✉ ankitbbsr2002@gmail.com

🐙 GitHub Profile

🌐 LinkedIn Profile

## EDUCATION

### •Bachelor of Technology in Information Technology (IT)

International Institute of Information Technology, Bhubaneswar

Nov 2021 - June 2025

CGPA:- 8.82 (upto 7th Semester)

## WORK EXPERIENCE & CERTIFICATION

### •AI/ML Intern- Associate Software Engineer

Mindfire Solutions

Jan 2025 - Till date

Bhubaneswar, Odisha

- Prompt learning, LLM based RAG system to chat with multiple documents with Dialogflow integration, FastAPI enabled CRUD application, order-bot built using Langchain and LangGraph framework
- Machine Learning: built house price estimation(regression) and diabetes disease prediction(classification) system using ML algorithms and implemented ensemble learning methods like- stacking, bagging and boosting to improve accuracy.
- Deep Learning: built custom CNN model for multi-class classification problem.

### •Software Engineering Intern

Neophyte Ambient Intelligence

May 2024 - July 2024

Mumbai, Maharashtra

- In-depth understanding and knowledge of MERN Stack.
- Extensively worked on projects and mobile applications using React JS and React Native Expo CLI.
- Worked on real-time projects as Front-end JavaScript Developer. Implemented unit or component testing using Cypress. Implemented API integration with front end application.
- Utilized the CVAT (computer vision automation tool) tool to meticulously annotate objects, ensuring accurate and detailed labelling to support advanced computer vision applications.

### •Web Development Training

Internshala Trainings

Oct 2022 - Dec 2022

Online

- Successfully completed an 8 weeks online certified training on Web Development
- The training consisted of HTML, CSS, Bootstrap, RDBMS (SQL), JavaScript, ReactJS & Final Project modules.

## PROJECTS

### •Movie Recommender System

A streamlit based web app implemented using Content based Filtering, Cosine Similarity & Machine Learning Algorithm.

- Natural Language Processing (NLP) algorithm implemented.
- Movie recommendation system formulated on content-based filtering algorithm and web-based interface built using Streamlit.
- Technology used: Python, JavaScript, Reactjs, HTML, CSS, Bootstrap, Streamlit.
- Find the project demo video **Here** as uploaded on LinkedIn.

### •Tic-Tac-Toe AI

Classic Tic-Tac-Toe game and interface implemented using Minimax algorithm with Alpha-Beta Pruning

- Implemented an AI agent that plays the classic game of tic-tac-toe against a human player. This project explores game theory and basic search algorithms in AI. **Click Here** for demo.

### •Real-time Traffic Sign Recognition

Web based application involving Convolutional Neural Networks (CNN)-Deep Learning

- Overview of CNN, dataset preparation and exploration, data pre-processing techniques, building the CNN model architecture, training the model, model evaluation and testing, traffic sign recognition web apps using Flask.
- Technology Used : Python, Flask, HTML, CSS, Bootstrap, JavaScript, Reactjs.

## TECHNICAL SKILLS AND INTERESTS

**Languages:** C/C++, Java, Python, JavaScript, HTML+CSS.

**Libraries :** C++ STL, Python Libraries (NumPy, Pandas, Flask, Streamlit, Tensorflow, MediaPipe, Keras, Scikit-learn, Matplotlib), ReactJs, OpenCV.

**Web Dev Tools:** Nodejs, VScode, Git, Github, Cypress.

**Frameworks:** React JS, TailWind CSS, Bootstrap, NativeWind CSS, React Native.

**Cloud/Databases:** MongoDB, Firebase, Relational Database(mysql)

**Relevant Coursework:** Data Structures & Algorithms, Operating Systems, Object Oriented Programming, Database Management System, Software Engineering.

**Areas of Interest:** Web Design and Development, Vision AI (Computer Vision)

**Soft Skills:** Problem Solving, Self-learning, Presentation, Adaptability.

## ADDITIONAL INFORMATION

---

•**Finalist in Hackathon** BOSCH Auto Vision X Hackathon

*Feb - Mar 2024*

- BGSW (Bosch) Auto Vision X Hackathon finalist - 2024 (Problem statement: Home Zone Parking Assist)

•**Scholarship** Scholarship in Higher Education (SHE)

*April 2021*

- Selected for Scholarship in Higher Education (SHE) component under INSPIRE scheme of GoI by virtue of performance within top 1% of the School Board at Class XII level. Secured 2nd rank in school (12th Board ISC).