

SHUBHAM MOHAPATRA

Bhubaneswar, Odisha

☎ +91-9560453860

✉ shubhammohapatra094@gmail.com

in [LinkedIn](#)

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EDUCATION

Kalinga Institute of Industrial Technology
B.Tech Computer Science and Engineering - 8.2

Sep'22 – Present
Bhubaneswar, Odisha

Ahlcon Public School
12th PCM

2009 – 2022
Mayur Vihar Phase-1, Delhi

COURSEWORK / SKILLS

- Data Structures & Algorithms
- Computer Networks
- Artificial Intelligence
- Machine Learning
- Operating Systems
- Database Management System (DBMS)
- OOPS Concept
- Android Development

PROJECTS

Agrobuddy 📄 | [Python](#), [CNN](#), [TensorFlow](#), [FastAPI](#), [Flask](#), [React Native](#), [Expo](#), [Firebase](#), [Figma](#) **Jan 2025**

- Developed an AI-powered app to help farmers detect crop diseases using **Convolutional Neural Networks (CNN)**.
- Integrated **FastAPI** and **Flask** for backend and RESTful API development.
- Built a mobile app using **React Native** and **Expo** with a user-friendly interface designed in **Figma**.
- Deployed the application on **Firebase**, ensuring real-time database updates and cloud hosting.

XML and JSON Parser 📄 | [Python](#), [SAX Parser](#), [Gson](#)

Jan 2025

- Developing a parser to convert XML and JSON formats using **Python**.
- Implemented **SAX parsing** for XML and **Gson** for JSON handling.
- Optimized performance for large datasets with efficient algorithms.

HelloTalk (AI Language Learning App) 📄 | [Python](#), [TensorFlow](#), [Java](#), [Android Development](#) **Dec- -2024**

- Creating an AI-powered app to assist users in learning languages via **real-time conversation simulation**.
- Implemented **Natural Language Processing (NLP)** to provide grammar correction and pronunciation feedback.
- Built the frontend in **XML** and integrated real-time chat using **Firebase Realtime Database**.
- Leveraged **TensorFlow** models to recommend personalized vocabulary and conversation topics.

EXPERIENCE

Buildspace 📄

June 2024

Contributor

Remote

- Participated in buildspace projects: focused on developing skills in AI/ML and android development, contributing to collaborative projects that apply these technologies in innovative ways.
- Explored how Artificial Intelligence and Machine Learning can transform agriculture, with a specific interest in disease detection and solutions for farmers.

TECHNICAL SKILLS

Languages: Python, Java, C, Dart, SQL, XML, TypeScript

Developer Tools: Visual Studio Code, Android Studio, IntelliJ IDEA Ultimate, React Native

Technologies/Frameworks: Linux, Git, GitHub, Flutter, TensorFlow, Pytorch, Matplotlib, Numpy, Pandas, scikit-Learn

EXTRACURRICULAR

Federation of Entrepreneurship and Development, FED KIIT 📄

March 2023 – March 2024

Marketing Team Executive

Bhubaneswar, Odisha

- Strategically liaised with external partners, securing sponsorships and managing marketing initiatives for college events.
- Demonstrated negotiation and promotional skills, fostering beneficial collaborations and identifying sponsorship opportunities.
- Increased society membership by 20% through targeted marketing efforts.
- Participation Certificate 📄.