



Santanu Mangaraj

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B.Tech in Computer Science and Technology
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GitHub Profile

LinkedIn Profile

EDUCATION

• Trident Academy of Technology, Bhubaneswar

2022 - 2026

Bachelor of Technology in Computer Science and Technology

EXPERIENCE

• Central Tool Room Training Centre (CTTC), Odisha

Jun 2024 – Jul 2024

Data Analysis Intern

Offline

- Performed data cleaning, preprocessing, and visualization using Python and Excel.
- Built analytical reports and dashboards to extract insights from real-world datasets.
- Applied basic statistical techniques to support data-driven decision making.

• Central Tool Room Training Centre (CTTC), Odisha

Jun 2025 – Jul 2025

AI & Machine Learning Trainee

Offline

- Completed hands-on training in Artificial Intelligence and Machine Learning concepts.
- Worked with Python libraries such as Pandas, NumPy, and Scikit-learn for data analysis and model building.
- Built and evaluated basic machine learning models for classification and prediction tasks.

PERSONAL PROJECTS

• Predictive Diabetes Health Analysis

Python, Pandas, Scikit-learn, Streamlit

Machine learning based health risk prediction system

- Built a machine learning model to predict diabetes risk using health parameters.
- Processed and analyzed health datasets using Pandas and NumPy.
- Developed an interactive Streamlit dashboard for real-time prediction and visualization.

• Women Safety Analytics Website

React.js, Tailwind CSS, JavaScript

Responsive web application for public safety enhancement

- Developed a responsive web application focused on women safety in public areas.
- Implemented live location tracking, geofencing-based red zone alerts, and hotspot notifications.
- Integrated real-time toast alerts and volunteer registration for rapid response.

TECHNICAL SKILLS

Languages: JavaScript, Python, Java, SQL

Frontend: HTML5, CSS3, Tailwind CSS, React.js

Backend & Databases: MongoDB, Mongoose, Express.js, MySQL

Cloud & Tools: Google Cloud Platform, Git, GitHub, VS Code, Streamlit, Tableau

Core CS: Data Structures, DBMS, Operating Systems