



## Santanu Mangaraj

Bhubaneswar, Odisha

B.Tech in Computer Science and Technology

Trident Academy of Technology, Bhubaneswar

+91-9556466480

✉ santanumangaraj80@gmail.com

🐙 GitHub Profile

🌐 LinkedIn Profile

## EDUCATION

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### •Trident Academy of Technology, Bhubaneswar

2022 - 2026

*Bachelor of Technology in Computer Science and Technology*

## EXPERIENCE

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### •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

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### •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

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**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