SWOYAM SWARUP NANDA

3rd Year Computer Engineering Undergraduate

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EDUCATION

B.Tech
IIIT Bhubaneswar

📅 November 2022 – Present   CGPA - 8.07/10.0 (Upto 5th Sem)

Class XII CBSE
DAV Public School, Chandrasekharpur, Bhubaneswar

📅 July 2020 – May 2022   Percentage - 93.6%

Class X ICSE
Carmel School, Bhadrak

📅 2020   Percentage - 92.6%

SKILLS

Hard SKills C++   Python   React
Mongodb   MERN   Machine Learning
Soft SKills: Communication
Presentation

FIELD OF INTEREST

- Competitive Coding
- Web Development
- Machine Learning

EXPERIENCE

Summer Research Intern

📅 May 2024 - July 2024

- Researched Sensor-as-a-Service under Prof. Roy. Developed energy-efficient algorithms for sensor networks, improving resource utilization. Gained expertise in optimization techniques and Python (Matplotlib). Contributed 50% to a research paper.

PROJECTS

NeoDrive

This project is a login-based cab booking platform inspired by Uber, developed using the MERN stack (MongoDB, Express.js, React, Node.js). It provides separate portals for captains (drivers) and users, enabling seamless ride management.

- Users can register or log in to search and book nearby cabs with real-time availability.
- Captains can update their availability status and accept ride requests.
- The system efficiently matches users with the closest captains, ensuring quick and reliable service.
- MongoDB handles data storage for rides, user profiles, and driver details.

Dynamic Portfolio Navigator

Enhanced a multi-page website using React and React Router to allow users to navigate between sections such as Home, About, Contact, and GitHub.

- Seamless navigation between pages with React Router.
- Modern UI design with a focus on responsiveness and accessibility.
- Sections include Home, About, Contact, and GitHub with corresponding content and interactive elements.
- Integrated the GitHub API to dynamically fetch and display the number of followers from a user's GitHub profile. Technologies Used: React.js, React Router, Vite, JavaScript, CSS, HTML.

Weather Report

Built a api based geolocation and weather report application.

- Dynamic Data Retrieval: Implemented a function to dynamically retrieve latitude and longitude for user-specified cities, enhancing user experience.
- Comprehensive Weather Information: Extracted and displayed detailed weather information, including temperature (converted to Celsius), humidity, wind speed, and weather description.
- Error Handling: Incorporated error handling mechanisms to manage API call failures and ensure smooth user interaction.