



# SWARAJ KUMAR SAHOO

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## Education

### National Institute of Technology, Rourkela

INTEGRATED Msc MATHEMATICS (CGPA - 8.06)

November 2022 – Present

Rourkela, Odisha

### Mothers Public School

AISCCE – CBSE, Science (PCM) (Percentage - 93.4%)

June 2022

Bhubaneswar, Odisha

### St Xavier's High School

AISSE – CBSE (Percentage - 95.4%)

May 2020

Jajpur, Odisha

## Relevant Coursework

- Data Structures and Algorithm
- Database Management
- Object Oriented Programming
- MYSQL

## Projects

### Audio Analyzer

Material UI, APIs, Express Js, Node Js

April 2025

GitHub

- Built a real-time Audio Analyzer with an interactive UI and audio visualization features.
- Designed and implemented 9–12 backend routes, integrating machine learning models for advanced audio pattern analysis and processing.

### Credit Risk Analyzer

Material UI, APIs, Express Js, Node Js

March 2025

GitHub

- Developed a Smart Credit Risk Analyzer to assess the risk of lending based on borrower-provided data.
- Integrated machine learning models to predict credit risk and built user-friendly interfaces for efficient data input and analysis.

### WonderLust

React Js, Material UI, APIs, Express Js, Node Js

May 2024 – August 2024

GitHub

- Built a web platform with 7 API routes for user authentication, property management, bookings, and reviews.
- Implemented MongoDB, Node.js, and Express.js for efficient data storage and server-side functionality.
- Registered 20+ users, enabling seamless listing creation, rating system, and reservation process.

## Achievements/Certifications

- **April Cohert** April 2025  
Winner – April Cohert Hackathon , April 2025. GitHub
- **Code really 3.0** February 2025  
Secured Top 40 position out of 900+ teams in CodeReally Hackathon 2024 organized by IIT Bhubaneswar, for developing Self-Improvement. GitHub

## Technical Skills

- **Languages:** Python,C,C++, HTML/CSS, javascript
- **Operating Systems:** Windows, MacOS
- **Developer Tools:** VS Code, Sublime
- **Technologies/Frameworks:** ReactJS, MongoDB, Tailwind, Bootstrap, Node.js, Express.js, Redux

## Extracurricular Activities

### Axiom

Secretary

May 2024 – Present

Nit Rourkela

- Led a team of 30 members to organize an exciting and interactive event with seamless coordination and execution. Ensured effective communication and task delegation, creating a memorable experience for participants.

### ALGORITHMIC AND PROGRAMMING SOCIETY

Event manegment Lead

August 2024 – Present

Nit Rourkela

- Coordinated all aspects of the successful AlgoVision event within APS; implemented structured timelines and checklists that resulted in zero logistical issues during execution for over 200 participants.