SUBHRANSU SEKHAR SAHU

📞 9583063258 ✉ subh03ransu@gmail.com in linkedin.com/in/subhransusekharsahu ↗ ○ github.com/subhransu03↗

SUMMARY

Final-year Computer Science and Engineering student with hands-on experience in Python, Java, and full-stack development. Strong foundation in Object-Oriented Programming, Data Structures, and SDLC. Proven ability to build and deploy real-world applications through internships at NALCO and NIT Rourkela. Familiar with databases, version control systems, and modern web frameworks. Passionate about delivering clean, efficient, and scalable software solutions in collaborative environments.

EDUCATION

B.Tech, Computer science and Engineering	Graduating April 2025
NIST University,Berhampur	8.43 CGPA

TECHNICAL SKILLS

Programming Languages: Python, Java , C , Javascript

Core Competencies: OOP, DSA, SDLC, Debugging, Problem Solving, Team Collaboration

Familiar with: Git, GitHub,SDLC , Docker

Frontemd- HTML5, CSS3, React, Next.js, Tailwind CSS

Backend: MySQL, PostgreSQL, MongoDB, Express, Node.js, Spring Boot

Cloud Platforms: Google Cloud Platform(GCP) , Microsoft Azure, AWS

Tools: Git, GitHub, Visual Studio Code, Google Colab, Android Studio

Soft Skills: Teamwork, Communication, Leadership, Time Management

EXPERIENCE

NIT Rourkela, Summer Intern | Rourkela, India   May 2024 – Jul 2024

- Developed an **Android app (Medic app)** for text extraction, translation, and speech-to-text conversion, enhancing accessibility features for diverse user groups.
- Utilized Google ML Kit, MyMemory API, and Text-to-Speech (TTS) engine for accurate text extraction, multi-language translation, and audio output.

NALCO, Software Intern | Damnjodi ,India   Jan 2024 – Feb 2024

- Designed and implemented an **employee management system** with modules for attendance tracking, performance evaluation, and data management.
- Integrated hardware components with Visual Studio for accurate real-time attendance tracking and ASP.NET for a user-friendly interface.
- Resolved database connectivity challenges, streamlining HR processes and improving system efficiency.

PROJECTS

Driver Assistant System Using GPS and ML   Sep 2025 – Dec 2025

Developed a predictive driver assistant system to improve driving safety.
- Real-time GPS tracking with Google Maps API
- Safe speed prediction using LSTM and RNN models
- Calculated distances using Haversine formula
- Dynamic route updates with predictive analytics

Technologies: Python, Google Maps API, ML models, Time Series Forecasting   **Datasets**: Local dataset

My Portfolio Website   Jan 2025 – Feb 2025

- Designed and deployed a personal portfolio using React and Tailwind CSS.
- Showcased skills, experience, and certifications with a responsive layout.

CERTIFICATIONS

Database Management Systems – IIT Kharagpur (NPTEL) ↗	Aug 2022 – Oct 2022
Data Science for Engineers – IIT Madras (NPTEL) ↗	Jul 2023 – Sep 2023
Google UX Design Professional Certificate – Google	Coursera ↗	Dec 2023
Google Cloud Computing Foundations – Google Cloud Platform (GCP) ↗	June 2024
Postman API Fundamentals Student Expert – Postman Academy ↗	Sep 2024

ACTIVITIES

NIST Counseling Service | NIST University   Sep 2022 – March 2025

Counselled over **600** students , Actively contributed and served as a **student coordinator and Representative,** providing support in mental health, education, and career development for first-year students, enhancing my **leadership**, **communication**, and **problem-solving skills.**

Event Coordinator (Sankalp Tech fest)   Jan 2025 – March 2025

Contributed as event Coordinator in the Biggest Tech fest in Southern Odisha At NIST University.