UDIT KUMAR NAYAK
EMAIL | **LINKEDIN** | **GITHUB** | **LEETCODE** | +91-8431952836

Education

Birla Institute of Technology & Science, Pilani, India	**2023 - 2026**

- Computer Science | CGPA: **9.06**

Scaler School of Technology, Bangalore	**2023 - 2027**

- Computer Science | CGR: **9.00**

Jawahar Navodaya Vidyalaya, Mundali, Cuttack	**2020**

- CBSE (Class X) | Aggregate: **98.6 %**
- Achieved 1st rank in school.

Dakshana Foundation	**2022**

- CBSE (Class XII) | Aggregate: **94.6 %**

Skills

Java , DSA , Javascript , HTML5, CSS , Python , Problem Solving , SpringBoot , Git.

Work Experience

Scaler School of Technology |Teaching Assistant	**April'24 - Present**

- Provided personalized guidance and support to students struggling with Data Structures and Algorithms (DSA) concepts, fostering a deeper understanding and improved problem-solving skills.
- Conducted interactive sessions and workshops, offering clear explanations and practical examples to aid students in grasping complex DSA topics effectively.

GirlScript Summer of Code (GSSOC) | Contributor	**May'24 - Present**

- Actively participated as a mentee in GirlScript Summer of Code, collaborating with mentors to develop technical skills and contribute to real-world open-source projects.

Projects

Image Editor - GitHub Link | Java

- Built an Image Editor offering a comprehensive suite of image enhancement tools, including grayscale conversion, rotation, brightness adjustment, inversion, Gaussian blur
- Employed Java and key libraries such as java.awt.Color, BufferedImage,etc to develop an intuitive image editor

WebScraping Python - GitHub Link | Python , Beautiful Soup

- Developed "Price Comparison", a Python-based web scraping tool, enabling instant extraction of e-commerce data from platforms like Flipkart, Amazon, Snapdeal, etc

Parking Lot - GitHub Link | Object-Oriented Programming | Spring Boot

- Designed and implemented a feature-rich Restful API for a multi-level parking lot system, incorporating ticket generation, vehicle allocation, and flexible payment options.

School TimeTable Management System - GitHub Link | Spring Boot, Restful API, MVC Architecture

- Created a RESTful API within the system, enabling seamless CRUD (Create, Read, Update, Delete) operations on various models including TimeTableEntry, Classroom, and Subject, thus providing a user-friendly interface for managing school timetables.
- Implemented robust coding principles to enhance modularity and scalability, adhering to the Model-View-Controller (MVC) architecture for efficient organization and separation of concerns.

Aerofit Business Case Study on Treadmills - GitHub Link | Probability and stats | Data Science

- Applied basic EDA techniques to Aerofit data, deriving actionable insights to enhance customer targeting and product recommendations.
- Leveraged probability & stats in analyzing data, optimizing customer segmentation for tailored marketing strategies.

Relevent Coursework

● Data Structures	● Web Development	● Discrete Maths	● Probability and Statistics
● Shell Scripting	● Linear Algebra	● OOPs / Backend	● Business Problem Solving

Positions of Responsibility

NLogN - The CP Club | Club Member	**Sep'23 - Present**
Opensource Club | Core Member	**Aug'23 - Present**