

Rohan Tanty

Fourth Year (B.Tech)
Biomedical Engineering
at NIT Rourkela
CGPA:7.30 till 6th Sem

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Links

Github:// [IamROhan](#)
LinkedIn:// [Rohan Tanty](#)
Leetcode:// [Rohan_leet9](#)

Skills

OS

Windows

LANGUAGES

Python, Javascript, HTML, CSS

ANALYTICS

PowerBI, MS Excel, Statistics

DATABASES

MySQL, DBMS

LIBRARIES

Numpy, Panda, Matplotlib, Seaborn

SKLearn, Keras, Tensorflow, xgboost

DEEP LEARNING

GANs, Convolutional Neural Networks (CNNs)

PROGRAMMING CONCEPTS

OOPs, Data Structures, Algorithms

TOOLS AND FRAMEWORKS

Google Colab, PyCharm, Git, GitHub, VS

Code, Flask, AWS (Basics)

Coursework

Analytics | Statistics | Probability

Biomedical Instrumentation

Mathematical Methods

Biomedical Signal Processing

Programming

Python | Machine Learning

Education

2021-2025

B.TECH. IN BME

NIT Rourkela

2018-2020

INTERMEDIATE

Mother's Public School, BBSR

Percentage: 82.4%

2010-2018

HIGH SCHOOL

ST. Joseph Convent Higher Secondary

School, SBP

Percentage: 83%

Work Experience

2024 JUNE - AUG **Data Science Intern** **Exact Space**

- As a data science intern at Exact Space, analyzed client data systems like boiler functioning and cyclone separators.
- Used machine learning and data analysis to gain insights, optimize workflows, and worked on and developed an industrial recommendation system for efficiency.

Python, Numpy, Pandas, Sklearn, Keras, MySQL, Matplotlib

2024 MAY-JULY **Summer Intern** **Rockwell Automation**

- Learned and worked with PLCs and ladder logic using Rockwell software (Studio 5000, FactoryTalk View). Implemented machine learning to optimize logic controllers.

- Developed and worked on a automated HVAC system using SCADA programming, Data Analysis and ladder logic.

Studio 5000, FactoryTalk View Studio, Python, FTA Analytics

2023 DECEMBER **Winter Trainee** **Aditya Birla Group**

- Analyzed the given Coal Audit Database of Lapanga Unit (ABG). Conducted Exploratory Data Analysis (EDA) to find useful insights and issues regarding the data.

- Handled the database using Python libraries and analytical techniques. Created possible regression models to predict and analyze as per database requirements.

Python, Numpy, Pandas, Sklearn, MySQL, Matplotlib, PowerBI

Projects

2024 **Industrial Recommendation System** **ML**

Developed and worked on an industrial plant recommendation system using Python, machine learning, and cloud technologies, optimizing workflows and enhancing operational efficiency through advanced data processing and predictive analytics.

2024 **Google Data Scraper** **Link**

Created a user-friendly interface to visualize and manage data scraped from Google Maps using Python (Flask) and integrated it with a frontend using HTML, CSS, and JavaScript.

2024 **Domain-Translational GANs for Image Generation and Transformation** **Link**

Developed DCGAN and CycleGAN models to generate and translate images between domains, enhancing visual data synthesis and transformation capabilities using deep learning techniques.

Extracurricular

2022-2024 **GTA (Game To Aim)** **Team Member**

Worked on the content and designing team of the club. Handled different types of events and worked on the content creation and 3D Designing.

2022 **Innovision-2022** **Event Coordinator**

Was part of Event Management Team.