Roshan Kumar Ghadai

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SUMMARY

AI & Data Science Intern at NIT Rourkela with hands-on experience in applying Machine Learning algorithms, Python, and data preprocessing on real-world datasets. Built and evaluated predictive models for data-driven problem-solving and analytics. Strong foundation in software development, AI/ML, and distributed systems for industry-ready roles.

WORK EXPERIENCE

NIT Rourkela — AI & Data Science Intern   *Rourkela, Odisha — May 2024 – June 2024*

– Implemented machine learning algorithms for real-world datasets.

– Performed data preprocessing, cleaning, and feature engineering using Python.

– Built and tested predictive models to analyze data patterns and trends.

– Enhanced understanding of AI, ML, and data-driven problem-solving.

EDUCATION

Sambalpur University Institute of Information Technology   *Sambalpur, Odisha—*
Bachelor of Technology in Computer Science and Engineering   *Dec 2021 - May 2025*

TECHNICAL SKILLS

Languages: Java, Python, C, C++, SQL
Core: Data Structures & Algorithms, OOPs, Machine Learning, Deep Learning
Libraries: NumPy, Pandas
Tools: Git, Matplotlib, Seaborn

PROJECT

Weather Forecasting using AI & ML

– Developed a real-time weather forecasting system using IoT sensors to collect temperature, humidity, and atmospheric data.

– Processed and analyzed sensor data using Python, NumPy, and Pandas to generate accurate weather predictions.

– Implemented ML models (Linear Regression, Random Forest) for short-term weather prediction.

– Visualized data and predictions using Matplotlib and Seaborn dashboards.

CERTIFICATION

Artificial Intelligence and Data Science – NIT Rourkela (July 2024)