# Govind Chandra Mohanty

📞 (+91) 7749967999 ✉ govindmohanty4@gmail.com 🔗 Govind Mohanty ⭘ govindfinally

## Education

**National Institute of Technology, Rourkela** — **November 2022 – Present**
*BTech-MTech Dual Degree in Metallurgy and Materials Engineering (CGPA - 7.14)* — *Rourkela, Odisha*

**Shree Krishna International School, Bhubaneshwar** — **July 2021**
*AISCCE – CBSE, Science (PCM) (Percentage -74.8%)* — *Bhubaneswar, Odisha*

**St. Joseph's High School, Bhubaneshwar** — **March 2019**
*ICSE (Percentage - 96%)* — *Bhubaneshwar, Odisha*

## Experience

**IIT Bhubaneswar** — **May 2025 – july 2025**
*Research Intern* — *Bhubaneswar, Odisha*

- Developed 2 microstructure incorporated corrosion model using **COMSOL multiphysics** to give study on the outcomes of corrosion rate in different microstructure also expertly used sophisticated software like comsol very smoothly develop the simulation.
- Wrote scripts using **Python** to convert the **EBSD** files to png and then to **DXF** files for the Comsol and meticulosly designed the model which took two weeks to complete the 2 months work .

### Relevant Coursework

- Machine Learning
- Neuro Linguistic Programming
- Object-Oriented Programming
- Supervised Learning
- Unsupervised Learning
- Deep-Learning
- Data Structure and Algorithms
- MlOps

## Projects

**AI Disease Diagnose Agent** — **February 2025**
*Pandas, NumPy, SeaBorn,MATPLOTLIB,SciKitLearn,NLP* — *https://github.com/govindfinally/ai-virtuall-voice-assistant*

- Created a voice-enabled diagnostic tool leveraging **NLP** and **Random Forest** to assess health conditions based on over 130 symptoms, user age, and gender.
- Obtained **83.4%** accuracy on a medical dataset of 4,920 entries which tried to resolve the complexities of .

**Accident Severity Analyzer** — **April 2025**
*Pandas, NumPy, SeaBorn,MATPLOTLIB,SciKitLearn* — *https://github.com/govindfinally/Accident-Analyzer*

- Developed a production-grade **AdaBoost** model to classify accident severity (Minor, Serious, Fatal) with **85%** accuracy on 40,000+ records for BIS to solve the problem to identify severity during an accident.
- Implemented an **MLOps pipeline** for model versioning and automated training, reducing model drift by 12%.

## Achievements/Certifications

- **3rd Place – Design Validation, E-Baja SAE Hyderabad** — **March 2024**
  Awarded **Third place in design validation** for demonstrating excellence in system functionality, accuracy and performance during the evaluation phase. — Certificate
- **Top 20 Finalist, Startup Conclave 2025 – Shaheed Bhagat Singh College (via Unstop)** — **2025**
  Selected among 500+ participants in the challenge. a high-impact startup idea in the ideation challenge. — Presentation

## Technical/Soft Skills

- **Languages/Developer Tools**: Python, C, Java, Cpp, Pandas, NumPy, MatplotLib, SeaBorn, SciKit-Learn
- **Technologies/Frameworks**: Flask, Power BI, SQL
- **Soft skills**: Leadership, Critical thinking, creativity, adaptability, time management

## Extracurricular Activities

**Heartbeats** — **March 2024 – Present**
*Secretary and drummer* — *National Institute of Technology, Rourkela*

- Played a pivotal role in winning IIT Bhubaneswar Battle of the Bands 2025, leading a 10 member team coordination and stage execution.
- Oversaw operations and communication, contributing to multiple victories across intercollegiate events.