

Prasoon Modi

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EDUCATION

Kalinga Institute of Industrial Technology

B.Tech. in Computer Science and Engineering

Bhubaneswar, Odisha

Expected Graduation, May 2025

- **CGPA:** 9.35/10.00
- **Related Coursework:** Data Structures & Algorithms, Computer Organization & Architecture, Soft Computing, Machine Learning, Artificial Intelligence, Object-Oriented Programming, Operating System, Theory of Computation

EXPERIENCE

Tata Steel

Data Analyst Intern

Khopoli, Maharashtra

May 2023 – Jul 2023

- Developed a galvanized sheet classifier with an outstanding 99.8% accuracy.
- Implemented a robust machine learning model for defect detection using classification in Jupyter Notebook.
- Applied various data pre-processing techniques, including outlier removal, oversampling, and hyperparameter tuning, to optimize performance and address issues such as overfitting and underfitting.

PROJECTS

Galvanized Sheet Classifier

Data Analyst Intern

Khopoli, Maharashtra

May 2023 – Jul 2023

- Created a Galvanized sheet classifier using Jupyter Notebook and Python
- Utilized multiple machine learning models to determine the presence of defects in the produced galvanized sheets

SerpentMind AI

Personal

Navi Mumbai, Maharashtra

Dec 2023 - Dec 2023

- Made an AI bot that undergoes training through playing the snake game, gradually improving its accuracy over time.
- Applied reinforcement learning techniques, leveraging popular libraries like TensorFlow and PyTorch, to enhance the bot's strategic decision-making capabilities.
- Incorporated matplotlib to visually demonstrate the incremental improvement in accuracy as the bot learns from its mistakes during gameplay.

Eclipse Predictor

Team Lead

Bhubaneswar, Odisha

Oct 2023 - Dec 2023

- Created a Solar and Lunar Eclipse predictor using classification models like Gradient Boosting, XG Boost, Decision Tree, and Random Forest.
- Achieved optimal predictive accuracy, with XG Boost outperforming other models by attaining 96.6% accuracy for solar eclipses and 80.5% accuracy for lunar eclipses.

COURSES AND ACHIEVEMENTS

Data Science and Programming Foundation Course

Indian Institute of Technology Madras, Online

India

Sept 2021 – Apr 2023

- Conducted an in-depth study encompassing statistics and Python programming, delving into various mathematical concepts and comprehensive exploration of probability and statistical methods.
- Successfully navigated a structured learning path, progressing from foundational to advanced Python programming skills, with ongoing assessment through semester-wise exams to gauge acquired knowledge.
- Secured Certificates on Basic and Intermediate Problem solving exams from HackerRank
- Qualified round 1.1: ECommerce & Tech Quiz of Flipkart GRIID 5.0 Software Development Track

SKILLS

Programming: Python, C, C++, Java, MATLAB

Tools: VS CODE, Jupyter Notebooks, Git, Github, NLTK, Tensorflow, Pytorch