Prasoon Modi

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EDUCATION

Kalinga Institute of Industrial Technology   **Bhubaneshwar, Odisha**
B.Tech. in Computer Science and Engineering   *Expected Graduation, May 2025*
- o **SGPA:** 9.35/10.00
- o **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   **Khopoli, Maharashtra**
Data Analyst Intern   *May 2022 – Jul 2022*
- 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   **Khopoli, Maharashtra**
Data Analyst Intern   *May 2022 – Jul 2022*
- 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   **Navi mumbai, Maharashtra**
Personal   *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   **Bhubaneshwar, Odisha**
Team Lead   *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 ACHIVEMENTS

Data Science and Programming Foundation Course   **India**
Indian Institute of Technology Madrass, Online   *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 GRiD 5.0 Software Development Track

SKILLS

Programming: Python,C, C++, Java, MATLAB
Tools: VS CODE, Jupyter Notebooks, Git, Github, NLTK, Tensorflow, Pytorch