Uttiyo Chakrabarty

✉ uttiyochakrabarty@gmail.com
📞 +91-8797318850
in linkedin.com/in/uttiyo-chakrabarty
○ github.com/rijugithu/My-projects

Summary

An aspiring software engineer currently pursuing B-Tech in Computer Science with a CGPA of 8.4. I have practical experience as a Machine Learning Intern at Tata Steel, where I developed a predictive machine learning model. I possess skills in Java, MATLAB, and Python, and am passionate about data analysis and visualization, continuously seeking opportunities to apply my knowledge in real-world projects.

Education

ITER, Siksha O' Anusandhan, Bhubaneswar – Bachelor of Technology in Computer Science and Engineering, CGPA: 8.4 **(2022-2026)**

Narbheram Hansraj English School, Jamshedpur – 12th Grade, 91.25% **(Year of Passout - 2022)**

Kerala Public School, Jamshedpur – 10th Grade, 94.60% **(Year of Passout - 2020)**

Internships

Summer Intern – Tata Steel, Remote, Kolkata

- Developed an end-to-end data analysis pipeline enabling automated missing value imputation, regression modeling, and model explainability using SHAP values.
- Integrated the solution into a lightweight web application using FastAPI, enhancing accessibility for non-technical stakeholders.
- Applied statistical and machine learning techniques to analyze industrial datasets, improving data-driven decision-making.

Projects

Weather Whiz - A Weather Forecasting Application

- Developed a dynamic weather web app using JavaScript, CSS, and OpenWeatherMap API, displaying real-time temperature, humidity, wind speed, and condition-based visuals.
- Integrated responsive animations and background transitions for various weather conditions and time of day (e.g., rain, snow, night stars), enhancing user experience.

Automated Data Imputation, Regression Analysis, and SHAP Interpretation using FastAPI

- Built an end-to-end pipeline using FastAPI for automated data imputation, regression analysis, and SHAP-based model interpretation.
- Implemented multiple ML models (XGBoost, Random Forest, Linear Regression) with real-time performance metrics and feature importance insights.
- Enabled scalable, user-friendly model deployment, allowing seamless dataset uploads and transparent predictions for industrial use cases.

Technical Skills

Languages: Java, C, C++, Python, HTML, CSS, JavaScript
Database: PostgreSQL

Certifications

Artificial Intelligence Internship Program – Rinex (partnered with future netwings)

The Complete Python Bootcamp – Udemy

Prashikshan 2024 – Tata Steel