Arup Sankar Roy

9679713408 | arupsankarroy11@gmail.com | [LinkedIn](#) | [GitHub](#) | [Portfolio](#)

Featured Projects

Energy Consumption Prediction Flask Application   August 2023 – Ongoing

- Fetched data from kaggle, processed and performed EDA created model with accuracy 99% and saved in pickle format.
- Prepared flask application to run the model.
- Generated user friendly UI.
  Github Link

CAPM : Capital Asset Pricing Model Web-App   March 2023 – March 2023
Used Python Libraries : Numpy , Pandas , Streamlit , Plotly.

- Fetched data from pandas data reader, processed and performed EDA.
- Repared streamlit application to run the model.
- Generated user friendly UI using Streamlit.
  Github Link

Skills

- **Data Analytics and Visualization Libraries :** Numpy,Pandas,Matplotlib, Plotly,Streamlit,Seaborn,Scipy.
- *Machine Learning Libraries :* Scikit-Learn.
- *Deep Learning Libraries* : PyTorch , OpenCV.
- *Programming Languages* : Python,Java, C, HTML, CSS,Flask.
- *System Experience* : Linux, Windows.
- *Softwares* : Microsoft Power BI,Microsoft Excel,Matlab.
- *Databases* : MySQL.

Experience

Data Science Intern   August 2023 – August 2023
CodersCave Virtual Internship Program – CVIP,India

- Conducted EDA on Global Terrorism Database using Numpy, Pandas, Matplotlib, Seaborn, and Plotly. Utilized Choropleth maps, Bar Plots, Area Plots, Pie Charts, and Heat Maps for insightful visualizations, unveiling security implications.
- Performed Email Spam Detection utilizing NLTK library. Employed text preprocessing, feature extraction, and machine learning techniques. Achieved accurate classification, highlighting potential spam emails.

Machine Learning Intern   August 2023 – August 2023
TechnoHacks EduTech, India

- **Diabetes Prediction:** Achieved 88% accuracy using the Random Forest Classifier with data visualization.
- **Fraud Transaction Detection:** Attained 97% accuracy using CatBoost, handling an imbalanced dataset with the Imblearn library.
- **Wine Quality Prediction:** Reached 0.919118 accuracy and 0.911765 precision with AdaBoost and K Nearest Neighbor algorithms.

Education

University Institute Of Technology (UIT),Burdwan   Burdwan,West Bengal, India
Bachelor of Engineering in Computer Science and Engineering .   *Aug. 2022 – Jul, 2024*