**Plant Instrumentation Projects**

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| Project Title | Problem Statement | Dataset | Link |
| Predictive Maintenance for Industrial Equipment | Create an AI model to anticipate manufacturing plant equipment failures and reduce maintenance expenses and downtime. | NASA's Turbofan Engine Degradation Simulation Data Set | [C:\Users\acer\Downloads\link.png](https://data.nasa.gov/Aerospace/CMAPSS-Jet-Engine-Simulated-Data/ff5v-kuh6/about_data) |
| Energy Consumption Optimization in Industrial Plants | Develop an AI model to optimize energy consumption in an industrial plant by anticipating and regulating energy demand in real time, lowering costs and increasing efficiency. | UCI Machine Learning Repository - Energy Efficiency Data Set | [C:\Users\acer\Downloads\link.png](https://archive.ics.uci.edu/dataset/242/energy+efficiency) |

**Healthcare Projects**

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| Project Title | Problem Statement | Dataset | Link |
| Disease Diagnosis from Medical Imaging | Create a deep learning model to help diagnose diseases from chest X-ray images. | COVID-19 Radiography Database | [C:\Users\acer\Downloads\link.png](https://www.kaggle.com/datasets/tawsifurrahman/covid19-radiography-database) |
| Predictive Modeling for Patient Readmissions | Create a predictive model to identify patients at high risk of readmission within 30 days of release. | Hospital Readmissions Reduction Program (HRRP) Dataset | [C:\Users\acer\Downloads\link.png](https://www.kaggle.com/datasets/patysanchez/cms-hospital-readmission-raceethnicity-2012-2020/data) |
| Cuff less Blood Pressure Prediction Using ECG and PPG signals | Develop a model to predict blood pressure (BP) using simultaneously obtained ECG and PPG signals, where ECG and PPG are inputs, and the BP wave is the target. | Cuff-Less Blood Pressure Estimation Dataset (Kaggle) | [C:\Users\acer\Downloads\link.png](https://www.kaggle.com/datasets/mkachuee/BloodPressureDataset) |