**Project 2 – Wind Turbine Failure**

**Technical Stacks:**

**1) Programming Language:**

Python 3.11.5 (Spyder 5.4.3)

IPython 8.15.0

**2) Data Manipulation Library:**

Pandas (2.1.1)

**3) Data Visualization Libraries:**

Matplotlib (3.7.2)

Seaborn (0.12.2)

**4) Automated Exploratory Data Analysis (Auto-EDA) Libraries:**

SweetViz (2.2.1)

D-Tale (3.6.0)

**5) Python Standard Library:**

“os” module

**6) Machine Learning Library:**

scikit-learn - 1.3.0 (VarianceThreshold)

**7) Feature Engineering Library:**

feature\_engine - 1.6.2 (“Winsorizer” class from “feature\_engine.outliers” module)

**8) Business Analytics Services:**

Microsoft Power BI Desktop (Version: 2.123.684.0 64-bit (November 2023))

Microsoft Power BI Server

**9) Others:**

Microsoft Office 2021

Microsoft Edge

Chat GPT

draw.io

Microsoft Paint