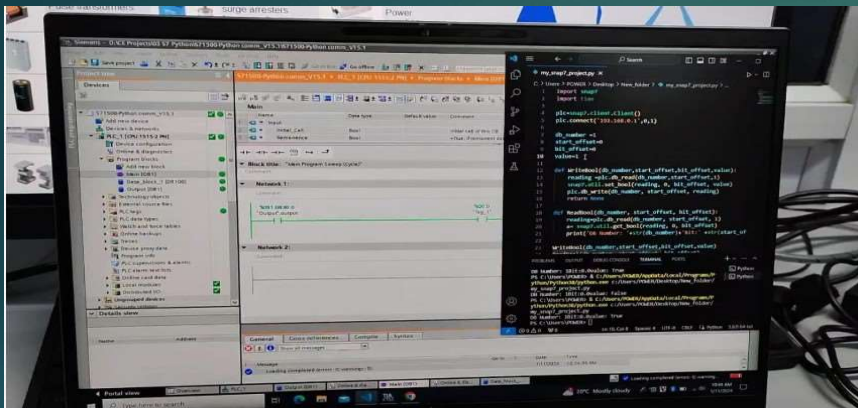# PLC (Siemens S7-1500) Programming using Python and Snap7 Library

PLC Programming

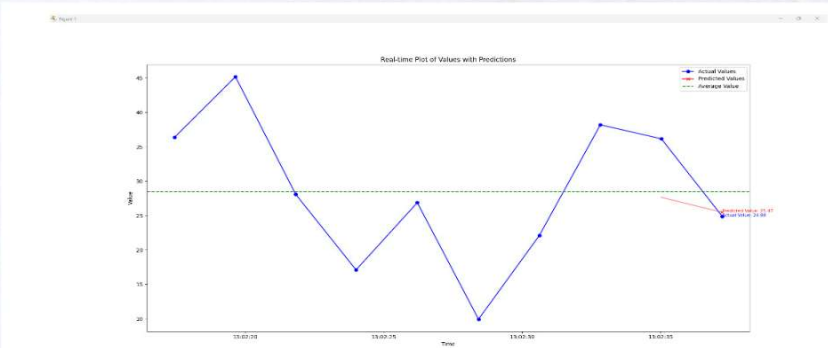Step7 UI

PLC

CPU

I/O Module

Power Source
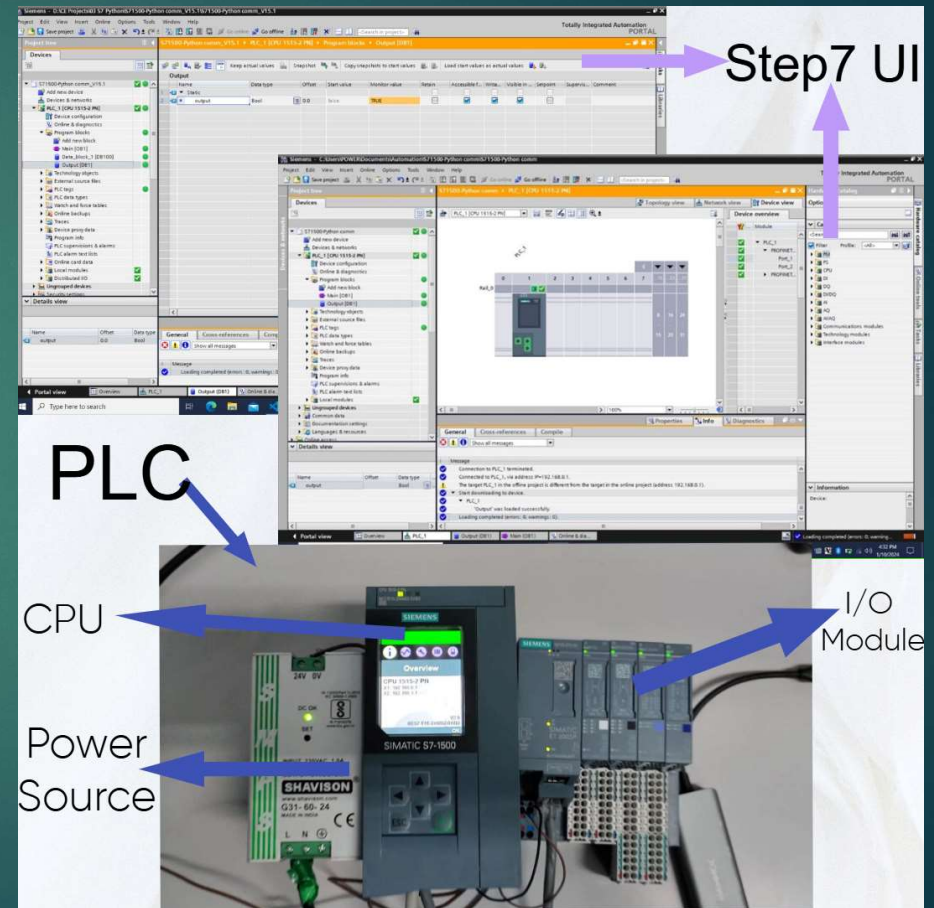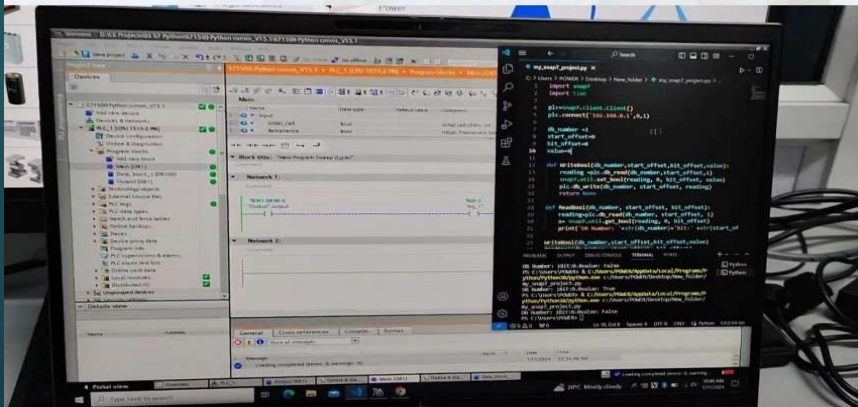
Real-Time Integration of Air Pressure Sensor with PLC (Siemens S7-1500) and Machine Learning Model

Captured real-time sensor data, stored in MS SQL Server, and developed a model for predicting air pressure.

Air Pressure Forecasting
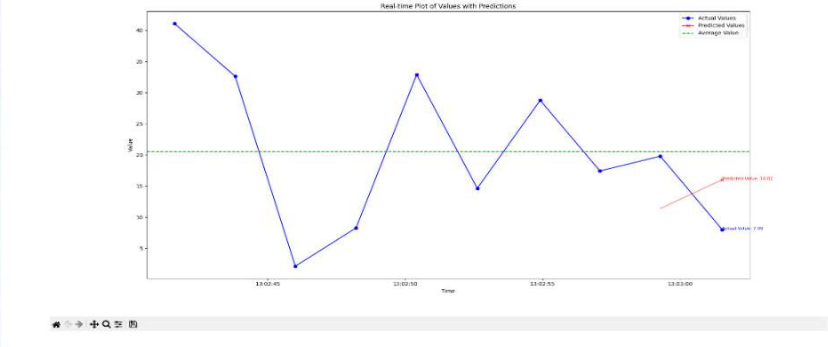
Data Visualization using Tableau (EMS)