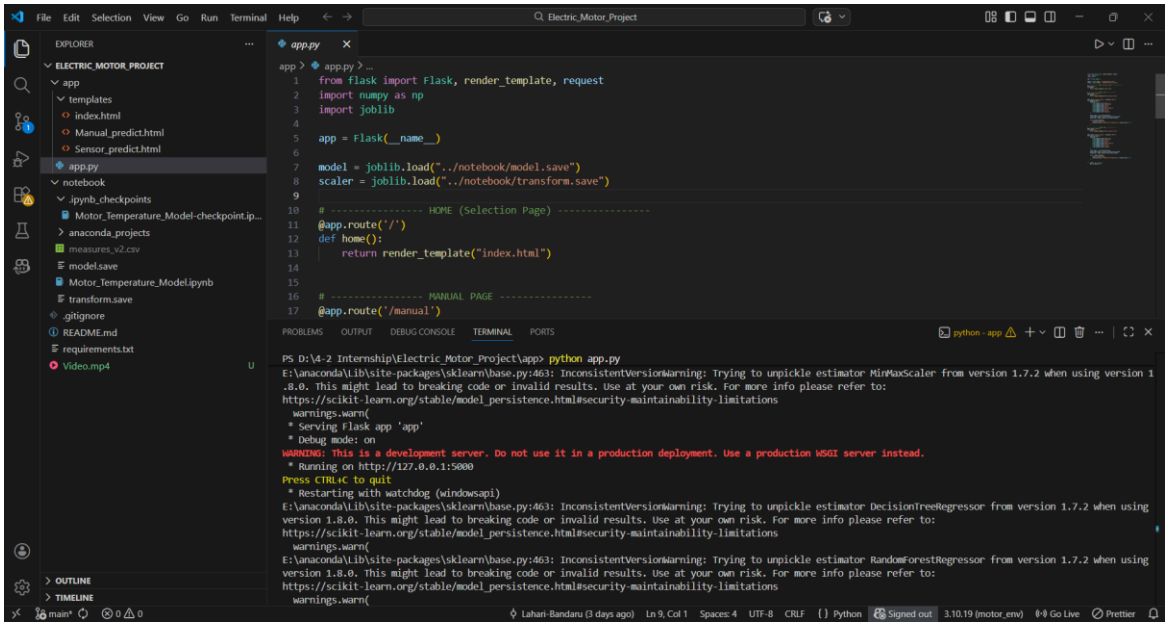
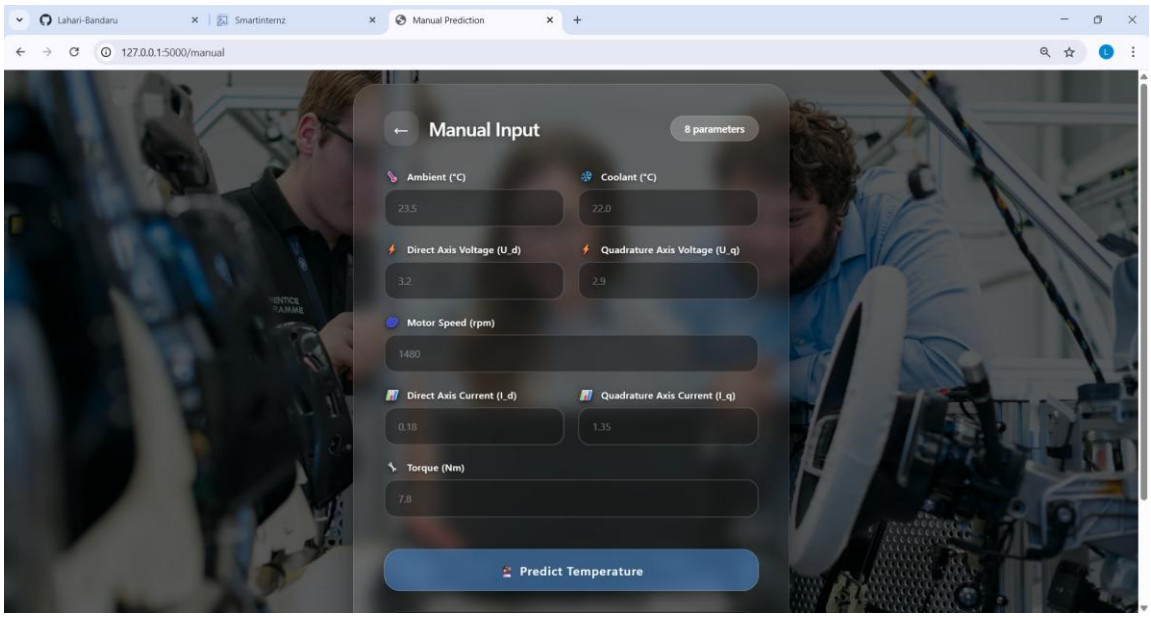
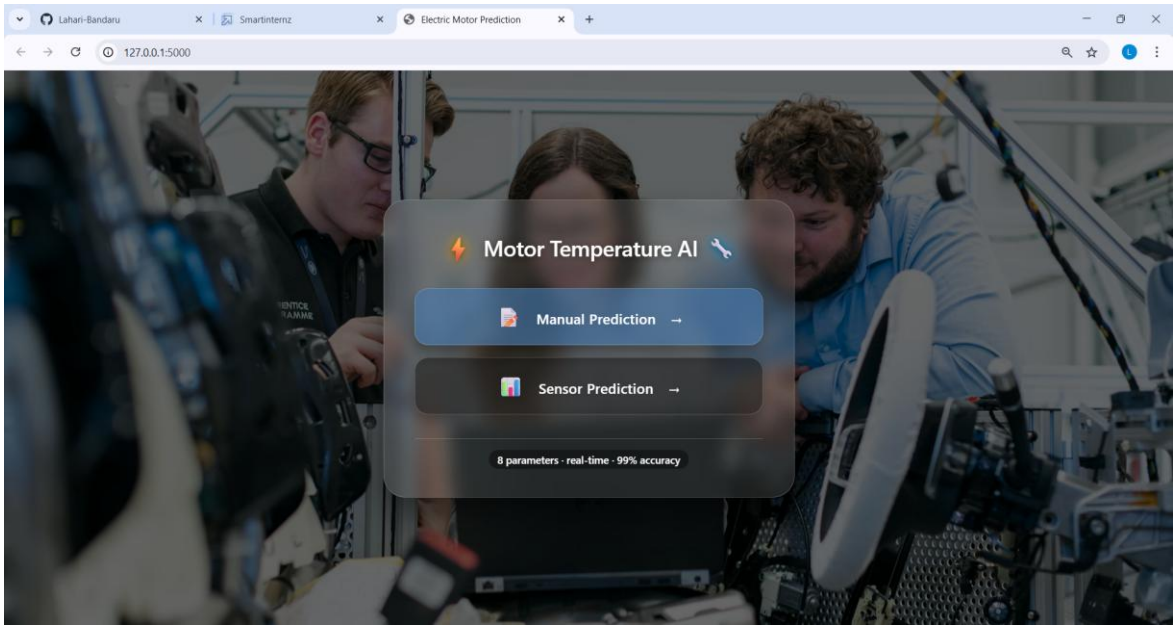
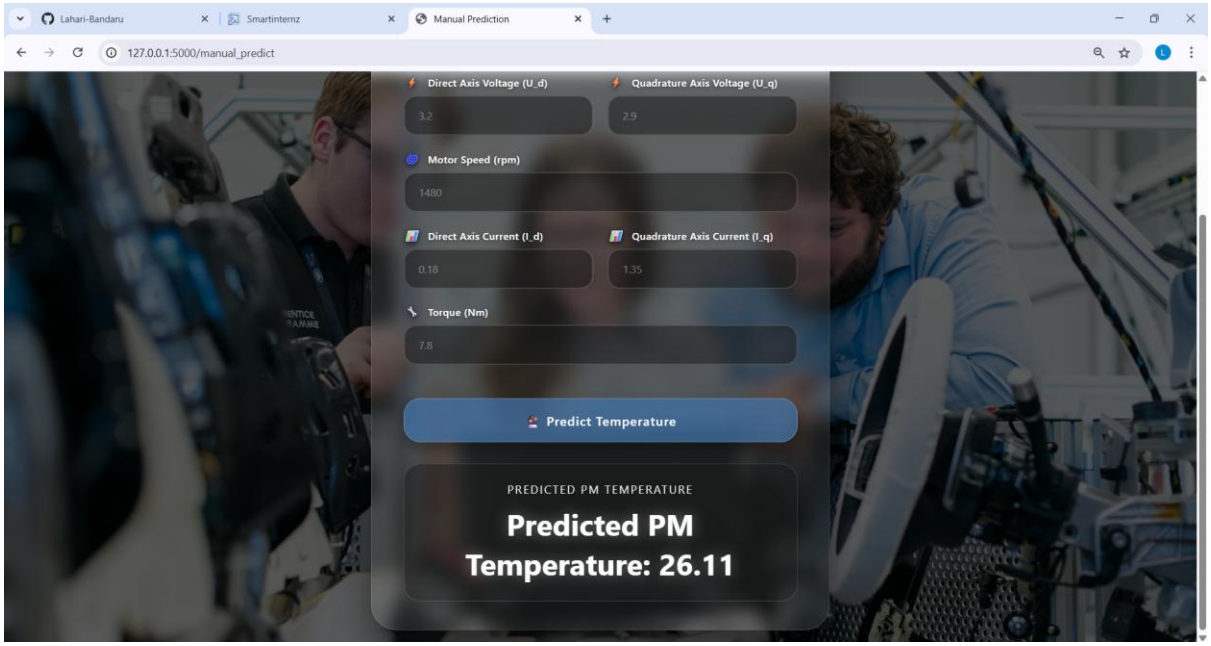
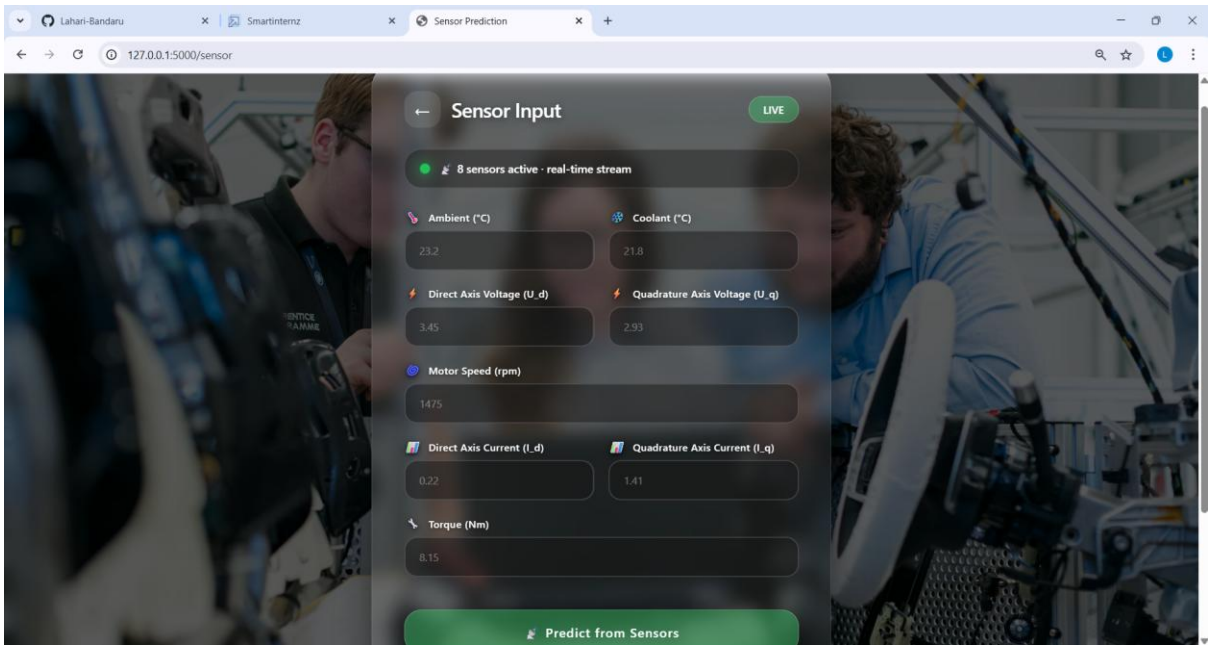
Project Demonstration








Lahari-Bandaru
Smartinternz
Manual Prediction
127.0.0.1:5000/manual_predict
Direct Axis Voltage (U_d)
3.2
Quadrature Axis Voltage (U_q)
2.9
Motor Speed (rpm)
1480
Direct Axis Current (I_d)
0.18
Quadrature Axis Current (I_q)
1.35
Torque (Nm)
7.8
Predict Temperature
PREDICTED PM TEMPERATURE
Predicted PM Temperature: 26.11


Lahari-Bandaru
Smartinternz
Sensor Prediction
127.0.0.1:5000/sensor
Sensor Input
LIVE
8 sensors active · real-time stream
Ambient (°C)
23.2
Coolant (°C)
21.8
Direct Axis Voltage (U_d)
3.45
Quadrature Axis Voltage (U_q)
2.93
Motor Speed (rpm)
1475
Direct Axis Current (I_d)
0.22
Quadrature Axis Current (I_q)
1.41
Torque (Nm)
8.15
Predict from Sensors