

Project Demonstration

The image displays a project demonstration for an electric motor temperature prediction system. It is divided into three main sections:

- VS Code Editor:** Shows the `app.py` file in the Explorer pane. The code is a Flask application that loads a trained model and scaler from a notebook. It defines two routes: `home()` for the selection page and `manual()` for the manual input page. The terminal window shows the command `python app.py` being executed, with warnings about inconsistent versions of sklearn estimators and a message indicating the server is running on `http://127.0.0.1:5000`.
- Manual Input Page:** A screenshot of the web application's "Manual Input" page. It features a form with eight parameters: Ambient (°C), Coolant (°C), Direct Axis Voltage (U_d), Quadrature Axis Voltage (U_q), Motor Speed (rpm), Direct Axis Current (I_d), Quadrature Axis Current (I_q), and Torque (Nm). The values entered are: Ambient (23.5), Coolant (22.0), Direct Axis Voltage (3.2), Quadrature Axis Voltage (2.9), Motor Speed (1480), Direct Axis Current (0.18), Quadrature Axis Current (1.35), and Torque (7.8). A "Predict Temperature" button is at the bottom.
- Motor Temperature AI Page:** A screenshot of the web application's "Motor Temperature AI" page. It features a central button labeled "Manual Prediction" and another button labeled "Sensor Prediction". Below the buttons, it states "8 parameters - real-time - 99% accuracy".

