Delhi Air Quality (AQI) Analysis – ShadowFox Internship Project

Project Overview
This project analyzes Delhi's air quality using PM2.5 as an AQI proxy to understand pollution trends, seasonal variations, and dominant pollutants affecting public health.

Objectives
• Study air pollution trends
• Identify dominant pollutants
• Analyze seasonal and monthly patterns

Dataset
The dataset contains date-wise pollutant concentrations including PM2.5, PM10, NO2, SO2, CO, and O3.

Tools Used
Python, Pandas, Matplotlib, Seaborn

Key Findings
• PM2.5 and PM10 are major contributors
• Winter and post-monsoon seasons show severe pollution
• Monsoon improves air quality significantly

Conclusion
The analysis highlights the need for targeted pollution control strategies focusing on particulate matter to protect public health.