Smart Object Counter
Track real-time crowd count with future predictions of crowd levels

Project Objectives:
1. Create a web application that allows an everyday user to be able to get an estimate of the number of people in specific areas of Nanyang Technological University.
2. Make predictions on the crowd level in the near future.

Flow of Data

Raw images are retrieved from NTU website and fed into the neural network.

The neural network computes the crowd count and stores it in firebase.

The ARIMA model outputs the forecasted data and stores it in firebase.

Functions:
- Actual and forecasted data saved in firebase retrieved and displayed as a chart.
- Select from a range of locations
- Date selection option
- Displays peak and low period images for visual comparison

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