

1. Chosen AI Method

The app will use a classification model to predict whether a parking spot is available or unavailable.

2. Data Acquisition Plan

Data Sources:

- Public city parking datasets
- Simulated data (locations, sensors, etc.)
- User-generated data (if needed) (users reporting open parking spots).

Type of Data:

- GPS coordinates of parking spots
- Time and date of open spots
- Status if available or unavailable
- Area location (parking garage, street parking, parking lot, etc.)

3. Ethical Concerns

- No personal data is collected (model/make of car, no license plates, no facial recognition, etc.)

4. Limits/Risks

- Data scarcity
- Real-time accuracy
- Sensor errors
- Bias
- Privacy