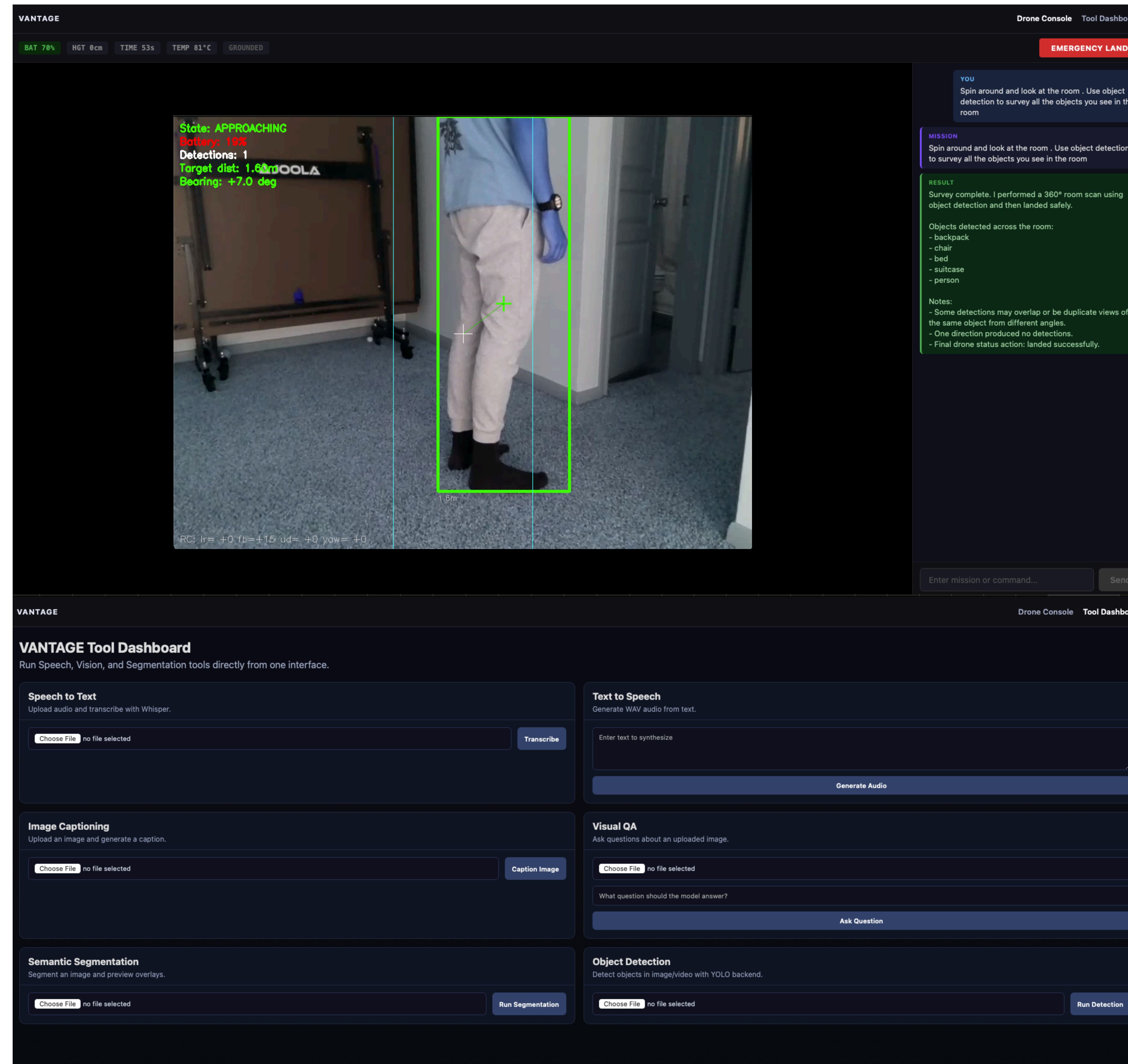


Background

MavenCode builds scalable data pipeline infrastructure & deploy machine learning and artificial intelligence models.

This project is primarily focused on bridging the gap between high-level human intent and low-level drone hardware enabling a user to describe a mission in plain language and have it safely executed by drone physically.

Dashboard



Tools

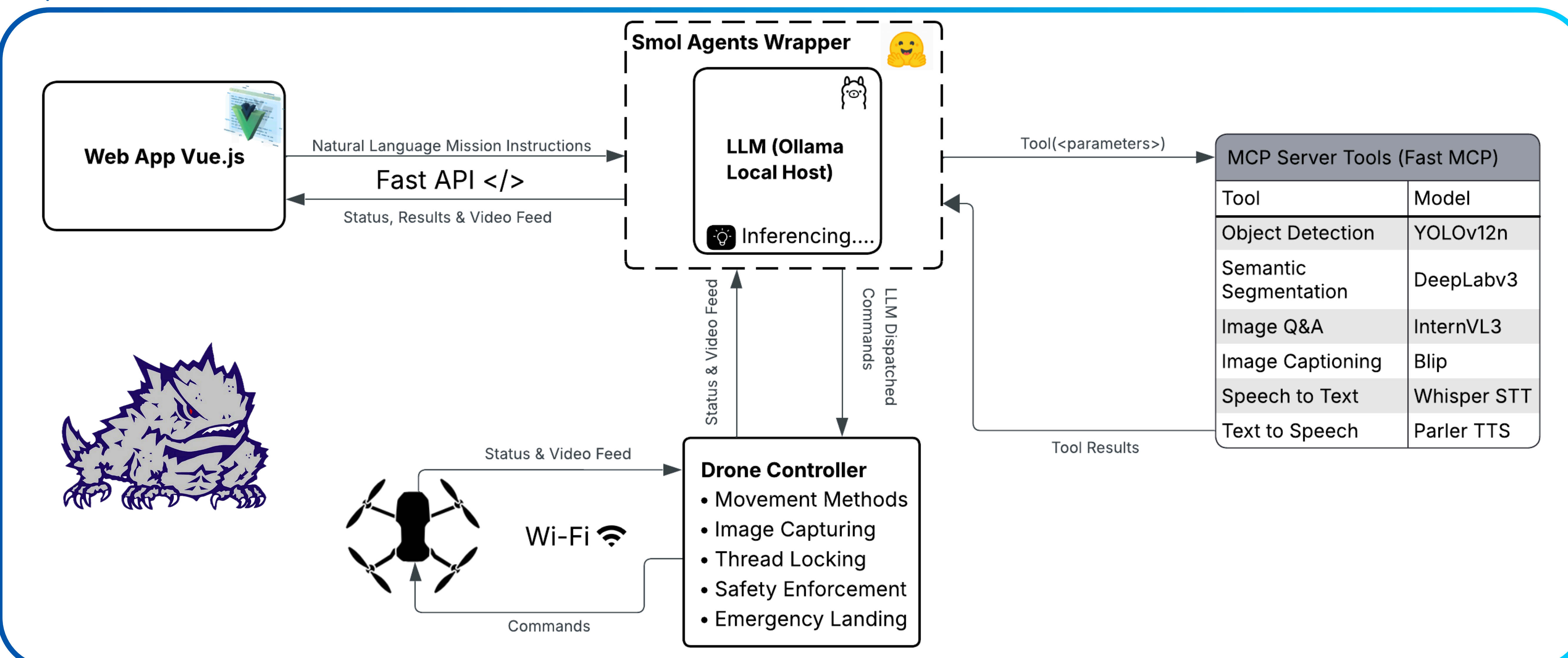
- **Visual Q&A:** Ask about contents of image.
- **Object detection:** Detect multiple objects from an image and their bounding boxes.
- **Semantic Segmentation:** Pixelwise categorization of objects and scenery in an image.
- **Image Captioning:** Creates a description of image in text.
- **Speech to Text:** Takes spoken audio and converts it into text.
- **Text to Speech:** Takes text and creates an audio dictation of it.

Vantage

Visual Autonomous Navigation and Task-driven Agentic Ground-to-air Engine. An intelligent drone control platform that combines perception AI, and agentic reasoning – letting you command autonomous drones through natural language.

VANTAGE removes the expertise barrier. If you can describe a mission, the system can fly it.

Work Flow



Applications

- Public Safety**
- disaster response
 - search & rescue
- Commercial & Industrial**
- inseptions
 - monitoring

