

Reporting No: 5 Week No: 5 From :22/07/2025 To :28/07/2025

Project ID:

Project Title: AutoMarkAI – Smart Image Annotation Tool

WEEKLY REPORT

Work done in last week:

1. Finalized and hardcoded support for only 5 fixed object classes to simplify early development and improve consistency.
2. Cleaned sample dataset to include only images containing supported objects (e.g., person, car, ball, bottle, dog).
3. Created a YOLO-based detection script that filters predictions to include only those 5 object classes.
4. Researched ZIP file input/output handling for user image upload and label download.
5. Planned frontend layout for upload box, preview pane, and annotation download button.

Reason for incomplete work:

1. Still learning React file handling and image preview logic.
2. Struggled with converting bounding box output into downloadable annotation text files.
3. Could not test end-to-end due to incomplete backend API setup.

Plans for next week:

1. Complete React frontend for uploading images and viewing YOLO-detected labels.
2. Build basic FastAPI backend route to accept images and return label files.
3. Run complete test on local system for one input image and verify annotation output.

Signature of External Guide

Signature of Internal Guide

Student Id: D24AIML085, D24AIML082

Student Name: Shah Harsh, Chauhan Kunj

Reporting No: 6 Week No: 6 From :29/07/2025 To :04/08/2025

Project ID:

Project Title: AutoMarkAI – Smart Image Annotation Tool

WEEKLY REPORT

Work done in last week:

1. Completed initial setup and testing of the FastAPI backend for handling image input and returning YOLO-based object detection results.
2. Integrated React frontend with the backend API — user can now upload images and receive detection results.
3. Implemented logic to display object labels and bounding boxes after inference.
4. Added functionality to download annotation files in YOLO format.
5. Conducted successful test runs with sample images using 5 fixed object classes.

Reason for incomplete work:

1. Final UI design is still pending — current frontend is basic and lacks proper layout/styling.
2. Some glitches remain in displaying multiple image previews.
3. Limited time due to parallel academic work delayed UI improvements.

Plans for next week:

1. Finalize and polish the frontend UI using CSS and styling libraries (e.g.Bootstrap).
2. Add validations for image format and size during upload.
3. Conduct full project demo internally and document the current progress.

Signature of External Guide

Signature of Internal Guide

Student Id: D24AIML085, D24AIML082

Student Name: Shah Harsh, Chauhan Kunj