

Capstone Project Weekly Progress Report

Semester	Fall-2024 Semester 3rd
Course Code	AML-3406
Section	Section 1
Project Title	Car Damage Detection
Group Name	Group B
Student names/Student IDs	Sakshi (C0908000) Bansil Patel (C0912873) Harsh Mohile (C0912872) Meet Patel (C0910378) Rachit Bhatt (C0902810)
Reporting Week	Week 2
Faculty Supervisor	William Pourmajidi

1. Grade the level of collaboration from different aspects between team members:
 (use: good, medium, below expectation)

Sakshi	Bansil Patel	Harsh Mohile	Meet Patel	Rachit Bhatt
Good	Good	Good	Good	Good

2. Tasks outlined in the previous Weekly Progress Report for this reporting week at the individual level and group level

2.1 Individual tasks (each team member)

Sakshi: Document the proposal with proper formatting and make project icon.

Bansil Patel: Research project domain and define resource allocation.

Harsh Mohile: Study on ML-Ops.

Meet Patel: Select the dataset.

Rachit Bhatt: Configure GitHub.

2.2 Your team's tasks

- Trailing with various datasets and finalizing one for the project.
- Researching on Computer Vision for Image Processing.
- Configuring GitHub and initiating working on ML-Ops.
- Decorate the project by creating an appropriate icon and structuring the reports.

3. Progress made in Reporting Week at an individual level and group level

3.1 Individual progress

Sakshi: Developed an appropriate icon for the project and learned GitHub.

Bansil Patel: Researched multiple project domains and defined their challenges and scope.

Harsh Mohile: Studied ML-Ops.

Meet Patel: Explored various datasets and found a dataset appropriate for the project.

Rachit Bhatt: Initiated GitHub configuration for the project.

3.2 Your team's progress

- Explored various datasets and picked the one with more appropriate images.
- Initiated the research on Computer Vision.
- Initiated the GitHub configuration for the project management.
- Implemented a project icon.

4. The areas/tasks you could not make progress and/or complete as scheduled or the difficulties encountered in this reporting week at individual level and group level.

As this was our first week, there were not many challenges encountered when searching or identifying the problem and reporting the progress.

4.1 Individual project blockers

Sakshi: A lot of time was consumed when using AI for idealizing project icons.

Bansil Patel: Understanding the concept of Edge Detection.

Harsh Mohile: Confused in the CI/CD pipeline implementation in GitHub.

Meet Patel: Managing datasets due to low storage space and huge dataset size to accommodate one at a time.

Rachit Bhatt: Creating and configuring branch rulesets.

4.2 Your team's project blockers

- Identifying the most current and relevant project topics was particularly challenging, as it involved extensive research and evaluation.
- Finding appropriate algorithms, datasets, and deployment standards required careful consideration to ensure they met our project needs.

5. Tasks to be completed in next week at individual level and group level

5.1 Individual tasks

Sakshi: Defining phases of project and analyzing post requirements of project.

Bansil Patel: Practicals of learning – Computer Vision.

Harsh Mohile: Research on Deployment Platforms.

Meet Patel: Learning GitHub Management.

Rachit Bhatt: Creating demo for CI/CD Pipeline.

5.2 Your team's tasks

- Initiate work on the project concepts.
- Understand the suitable deployment platforms.

6. Include the tasks from your sprint planning (Github/Zenhub) for the present period.

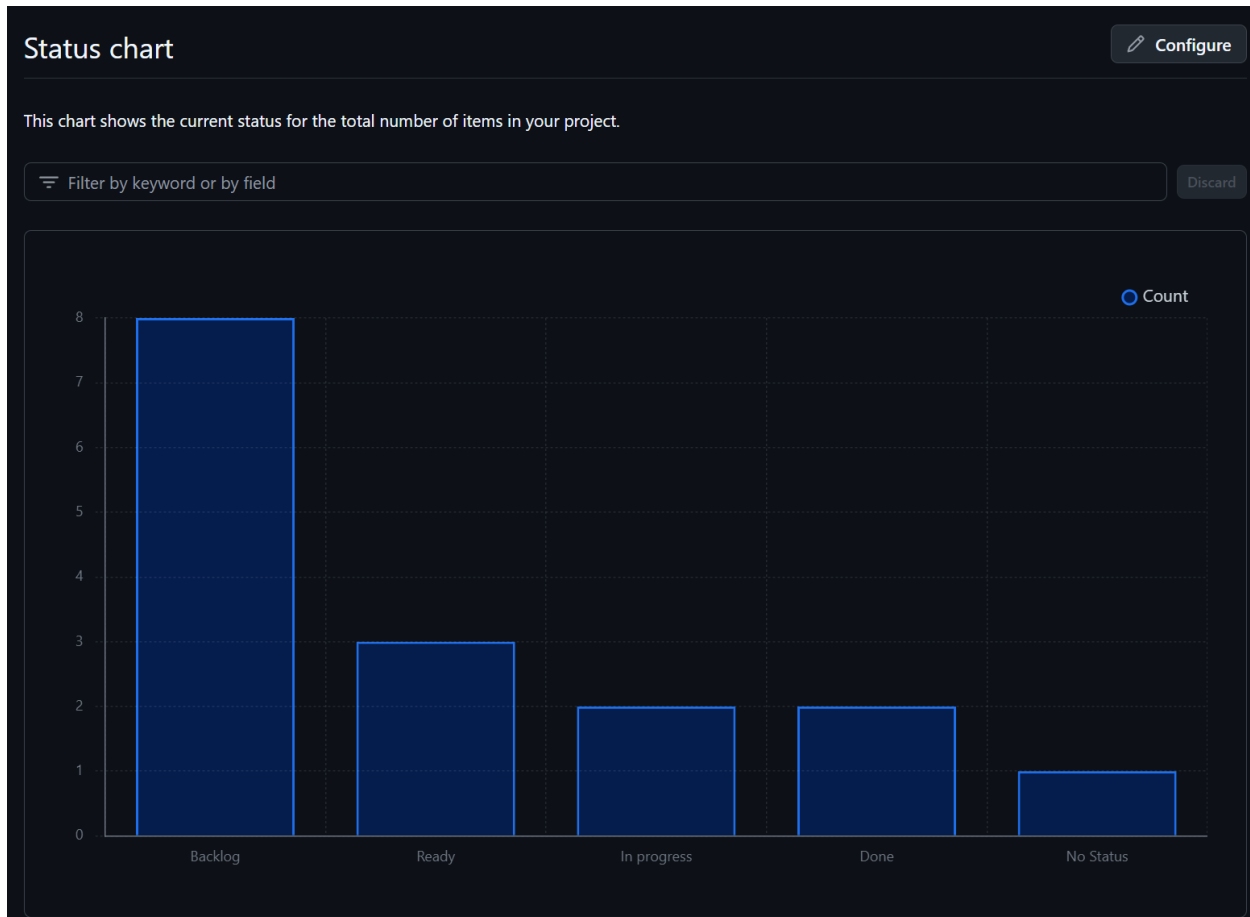


Figure 1: Status Chart of GitHub Issues in Milestone

7. Include charts/graphs (e.g., burn down charts) from your project management tool (Github/Zenhub) that shows your progress for the period of this report.

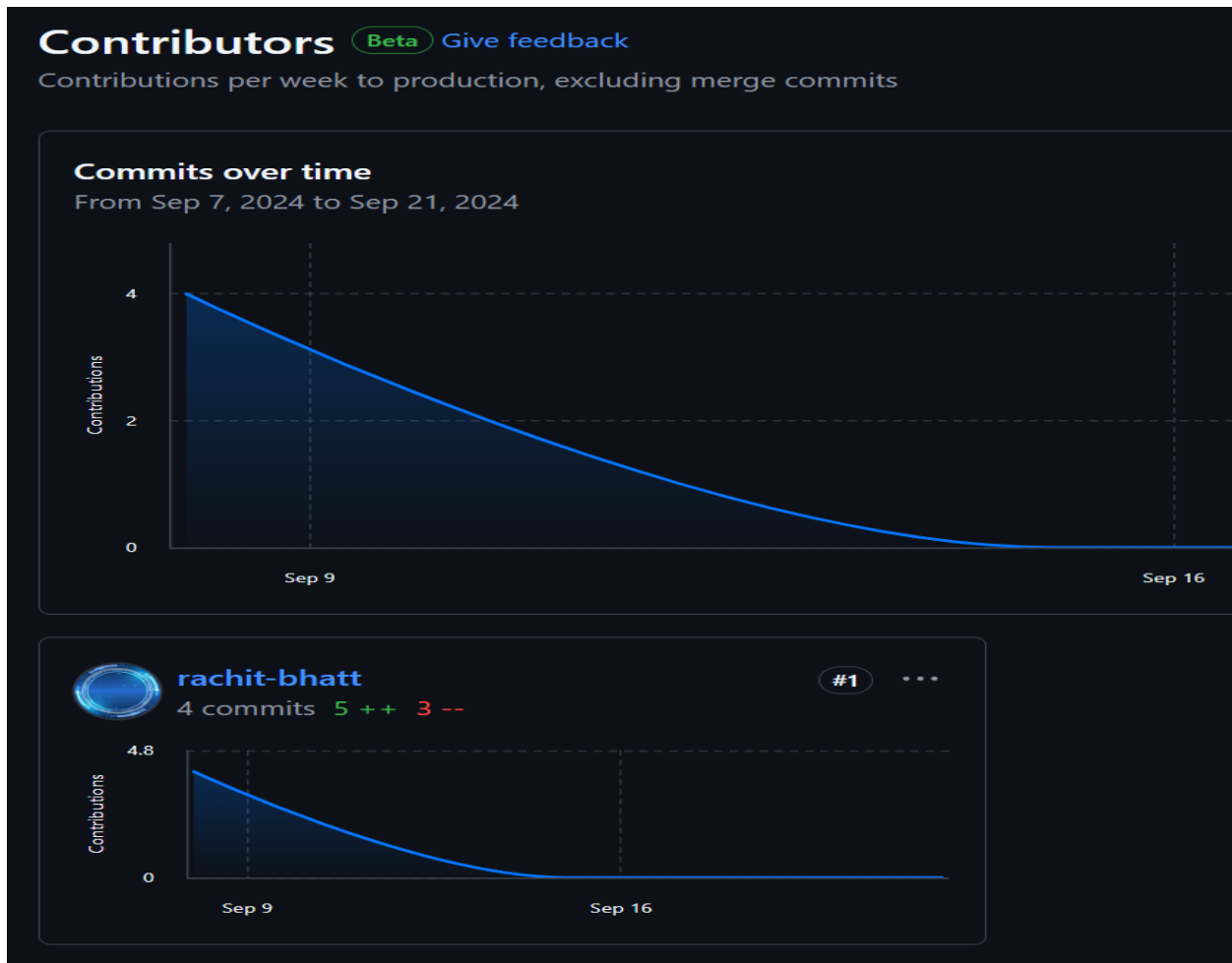


Figure 2: Highest Contributor of the Week

8. Include a note and address to your project Github with list of codes uploaded/updated on Github in this reporting week.

In the first week, our team focused on selecting a suitable topic. Then we searched for various algorithms, libraries, and packages required accordingly. Hence, there were no coding practices involved in this week.

GitHub: <https://www.github.com/rachit-bhatt/Capstone-Project>