

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 3
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

AL and ML Capstone Project**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: 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.

2.2 Your team's tasks

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

3. Progress made in Reporting Week at an individual level and group level**3.1 Individual progress**

Sakshi: Analyzed various phases of SDLC and Agile following Scrum with GitHub.

Bansil Patel: Motion Filtering, Edge Detection, OCR, Image Compression (PCA).

Harsh Mohile: Helped in implementation of CI/CD Pipeline Demonstration.

Meet Patel: Applied Git concepts to their personal demo environment.

Rachit Bhatt: Implemented a demonstration of CI/CD Pipeline.

3.2 Your team's progress

- Implemented CI/CD Pipeline Demonstration.
- Researched on concepts of Computer Vision.
- Initial understanding of GitHub.
- Initialized GitHub as per Agile Methodology.

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.**4.1 Individual project blockers**

Sakshi: N/A

Bansil Patel: Understanding the concept of edge detection was challenging.

Harsh Mohile & Rachit Bhatt: A lot of trails were taken to fix minor bugs in implementing CI/CD Pipeline.

Meet Patel: Using Git commands was challenging in front User-Friendly GitHub interface.

4.2 Your team's project blockers

- Git on command-prompt.
- Time for testing CI/CD Pipeline.

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

Learning VS Code will be a common task for the entire team in the next scrum.

5.1 Individual tasks

Sakshi: Learning VS Code + Learning GitHub.

Bansil Patel & Meet Patel: Learning VS Code + Exploring Dataset.

Harsh Mohile & Rachit Bhatt: Learning VS Code + Creating Branches for automation and deployment, and over Git Management.

5.2 Your team's tasks

- Adapting VS-Code as IDE for development and version control.
- GitHub Management.
- Exploring Dataset.

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



Figure 1: Status Chart of GitHub Issues in Milestone

Since all of the tasks have not been completed, some of the tasks would be available in the next scrum.

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.

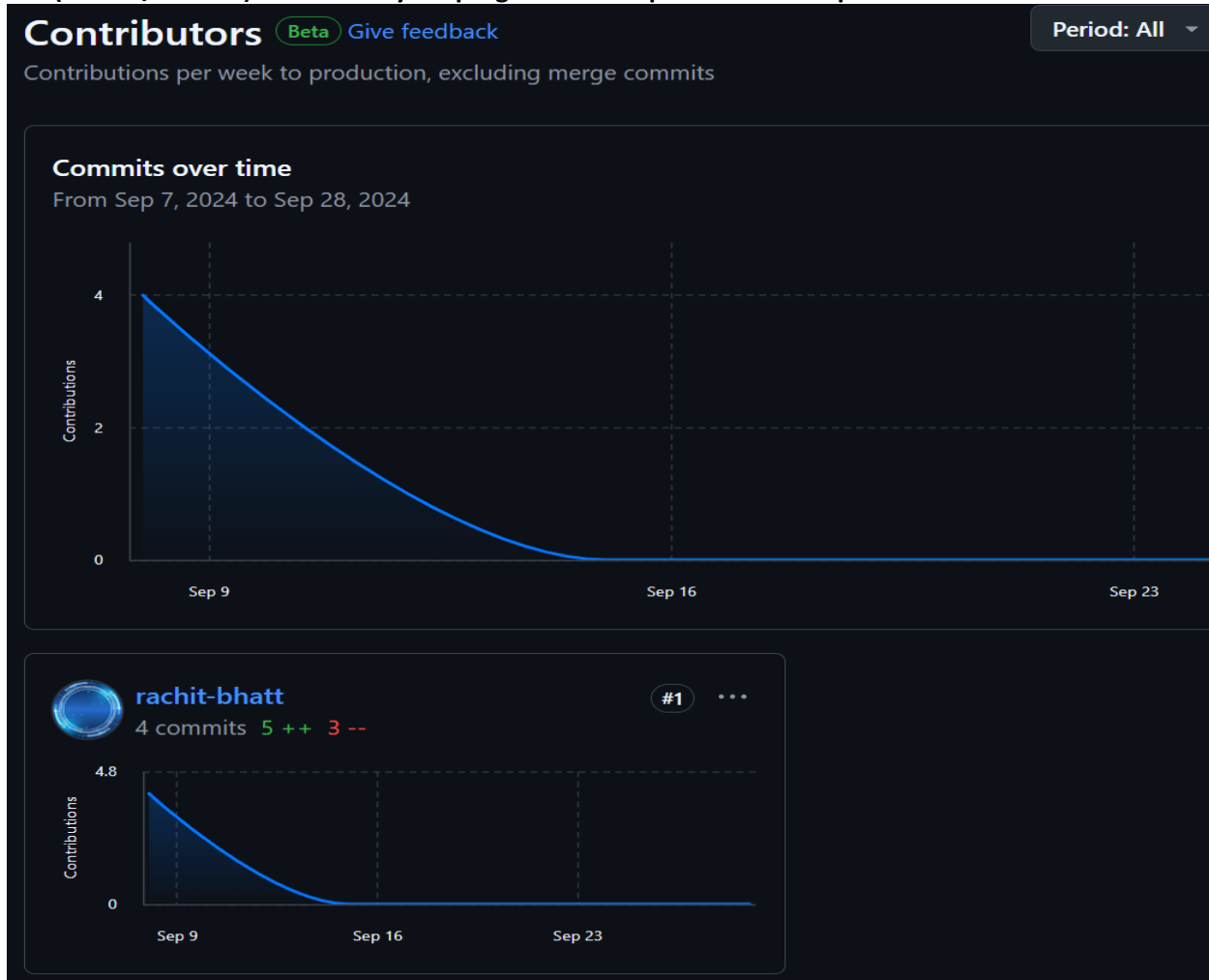


Figure 2: Highest Contributor of the Week

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>