Capstone Project Weekly Progress Report

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| --- | --- |
| 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) – TL  Harsh Mohile (C0912872)  Meet Patel (C0910378)  Rachit Bhatt (C0902810) |
| Reporting Week | Week 5 |
| Faculty Supervisor | William Pourmajidi |

# **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 |

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

* 1. Individual tasks (each team member)

Sakshi: Research on CI/CD Pipelining for ML-Ops.

Bansil Patel & Meet Patel: Applying various models initially on the dataset.

Harsh Mohile & Rachit Bhatt: Research on Docker for Deployment.

2.2 Your team’s tasks

* Exploring and understanding the dataset.
* Research on Docker for Deployment.

# **Progress made in Reporting Week at an individual level and group level**

* 1. Individual progress

Sakshi: Studied the theoretical concepts of CI/CD.

Bansil Patel: Applied regular NN with Model Evaluation and attempted in accessing the annotated data in the JSON files.

Harsh Mohile & Rachit Bhatt: Collaborated to create a demo project using Docker.

* 1. Your team’s progress
* Worked on understanding Docker by creating a demo project; [GitHub - Docker](https://github.com/rachit-bhatt/Docker).

# **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.**

* 1. Individual project blockers

Sakshi: N/A

Bansil Patel & Meet Patel: AttributeError exception generated when trying to access the JSON files.

Harsh Mohile & Rachit Bhatt: Docker installation and implementation on Windows platform was a little challenging when finding proper content for research and development.

* 1. Your team’s project blockers
* Faced a progress blocker in the form of exception when trailing with JSON files; seems like an OS-level error due to some path or incorrect data provided to the library.

# **Tasks to be completed in next week at individual level and group level**

* 1. Individual tasks

Sakshi: Implementation CI/CD on a demo project.

Bansil Patel | Harsh Mohile | Meet Patel: Resolve the exception and implement multi-model approach.

Rachit Bhatt: Start Implementing CI/CD using Docker through GitHub.

* 1. Your team’s tasks
* Work on multi-model setup.
* Implement CI/CD using Docker with GitHub.

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

A screenshot of a computer screen

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**Figure 1:** Weekly Activities

# **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.**

A screenshot of a computer

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**Figure 2:** Contributors in the Week

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

[GitHub](https://www.github.com/rachit-bhatt/Capstone-Project): <https://www.github.com/rachit-bhatt/Capstone-Project>

**A screenshot of a computer program

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**Figure 3:** Exception – Progress Blocker