

# Personal Work Statements

Abde Manaaf Ghadiali (G29583342)

Gehna and I worked together on this project helping each other wherever one of us got stuck. My major focus was on the following:

- Wrote the Particle Filter code to predict the location and movement of dynamic obstacles.
- Optimized the D\* algorithm to improve its efficiency and speed after Gehna wrote the base algorithm.
- Developed the Drone Agent class to manage drone behavior and interactions.
- Designed the Drone State Space to represent the drone's environment and navigation states.
- Refactored the codebase to enhance readability, maintainability, and performance.
- Contributed to the project report by helping with documentation.

Gehna Ahuja (G35741419)

My major focus was on the following:

- Developed the Drone Environment, including its GUI.
- Implemented Dynamic A\* search.
- Troubleshoot and made improvements to the Particle Filter code when it posed significant challenges.
- Contributed to the project report by writing several sections. project report by helping with documentation.