Self-Assessment

My key contribution to the Smart Parking Finder project was serving as the developer and organizer who kept our technical and creative pieces aligned. I worked on defining how the image recognition model could process camera input to detect open parking spots and began outlining the data pipeline for integrating contextual factors like weather and traffic conditions. Beyond the technical design, I also took responsibility for documenting our AI strategy in GitHub, ensuring our approach was clear, versioned, and easy for the team to follow.

As the project progressed, I shifted into a creative and organizational role; polishing the README, structuring the pitch deck, drafting our pitch preview script, and designing the mockup for our mobile dashboard. I ultimately created the final slide deck, pulling together our technical ideas, ethical principles, and marketing vision into a cohesive presentation.

The AI concept I learned most from this project was how real-time detection and predictive modeling can be layered to solve everyday problems. Thinking through how to combine image recognition with contextual data gave me insight into how AI systems can be both practical and adaptable. This is a skill I'll carry forward into future courses and professional work, where building AI solutions that are both technically sound and user-friendly is critical.

Collaboration with Alexis and Gursimranjit was genuinely enjoyable. Alexis got the ball rolling and set the initial direction, while Gursimranjit brought thoughtful feedback and creative problem-solving. Together, we made decisions collectively, kept ethics at the forefront, and supported each other throughout the process. Their energy and reliability made the project feel less like an assignment and more like a fun challenge we were excited to solve.

If we had more time or resources, I would expand the technical depth of our prototype by simulating spot detection and integrating predictive analytics. I'd also refine our visuals further to make the pitch materials even more dynamic. Overall, I'm proud of my contributions and grateful for the teamwork that made this project both successful and fun.