[Project ID: 183]

My SOP

Dear Mentor,

Myself Sahil Ravindra Patil, am a sophomore (to-be) in the Aerospace department.I am writing to express my enthusiasm for the opportunity to participate in the summer project focused on Computer Vision (CV). With a background in Python programming, particularly in libraries such as NumPy and pandas, and a keen interest in exploring the realm of CV, I believe I am well-suited to contribute effectively to this project.

The prospect of delving into the diverse applications of CV, from facial recognition to autonomous vehicles, excites me greatly. I am particularly drawn to the structured approach outlined for the project, which encompasses both theoretical concepts and practical applications. The two-phase structure, spanning image processing and digital video processing, gives me a great roadmap for comprehensive learning and skill development.

Furthermore, the opportunity to work with libraries like OpenCV (cv2), alongside NumPy and Matplotlib, aligns perfectly with my interests and aspirations. This opportunity also gives me a bonus as it aligns with my subsystem in my TechTeam(Humanoid Project). Thus, I'll be able to contribute to the project wholeheartedly which will give me an

enriching hands-on experience in the field and make me ready to perform its applications in my TechTeam.

I am particularly intrigued by the second phase of the project, which focuses on digital video processing and includes implementing Motion Magnification techniques. This presents an exciting opportunity to apply theoretical knowledge to real-world scenarios, further enhancing my problem-solving skills and creativity.

In conclusion, I am eager to contribute to the group's success while also learning from their unique perspectives and insights.I eagerly anticipate the opportunity to collaborate with like-minded individuals and embark on this intellectually rewarding journey.

Thank you for considering my application. I look forward to contributing to this project and am excited about the learning opportunities it presents.