Gaurav **Gupta**

SENIOR UNDERGRADUATE, AEROSPACE ENGINEERING

Indian Institute of Space Science and Technology, Thiruvananthapuram

▪ (+91) 9083722796 | ✉ gauravxpgupta@gmail.com | ⌂ https://airwarriorg91.github.io/ | ▣ airwarriorg91 | ▣ gauravgupta030

SU2 Development Team   *February 16, 2025*

SU2 FOUNDATION
KLUYVERWEG 1, 2629 HS DELFT

Application for Project 1.1

Dear SU2 Team,

I am writing to express my keen interest in contributing to SU2 through the advertised project. With a strong background in CFD, particularly with open-source solvers, I am eager to apply my skills to enhance SU2.

My undergraduate research focuses on the aerodynamics of avian tails, specifically investigating the complex and transitional flow over a common swift during gliding flight. I have used open-source codes such as Xcompact3D and NEK5000 to conduct DNS simulations. Additionally, I have contributed to features in tools like Xcompact3D and PyMech, gaining valuable experience in open-source collaboration. I will be using SU2 along with NEK5000 for RANS-assisted DNS of external flows at moderate Reynolds numbers, aligning well with the requirements of this project.

This opportunity will allow me to deepen my understanding of SU2 by learning from its core developers while actively contributing to its advancement. I would be able to start the project immediately on a part-time basis if granted the opportunity. I look forward to the possibility of discussing how can I contribute towards the project's goals.

Thank you for your time and consideration !

Sincerely,

Gaurav Gupta

Attached: Curriculum Vitae