Sharvin Soham
+918877952501 GitHub
sharvinsoham@hotmail.com LinkedIn

A highly motivated Computer Science graduate with strong mathematical foundations and a passion for quantum engineering, astrophysics, and aerospace systems. Determined to contribute to the fields of quantum field theory and space exploration, I aim to leverage my skills in AI and mathematical modelling to fund advanced studies and pursue my ultimate goal of becoming an astronaut. Inspired by unsolved mathematical conjectures, I am committed to pushing the boundaries of science and technology.

Professional Experience **Mathematics Training in AI**

- Developed expertise in training mathematical models for artificial intelligence applications
- Applied advanced mathematical concepts to optimise algorithms and solve complex computational problems.

Achievements

- Cleared AirForce Common Admission Test three times, demonstrating perseverance and discipline.
- Inspired by Hang Wong's solution to the Kakeya Conjecture in 3D, actively pursuing research in unsolved mathematical conjectures.

Skills

- Mathematics: Advanced problem-solving, theoretical analysis, and application of mathematical concepts in quantum mechanics and astrophysics.
- Programming: Proficient in Python, C++, and other programming languages essential for AI and computational physics.
- AI & Machine Learning: Designing and training mathematical models for predictive analytics and optimisation.

Research:

- Strong analytical skills with experience in exploring interdisciplinary fields like Rocket propulsion, quantum computing and astrophysics.

Projects

- Quantum Computing Algorithms: Developed algorithms leveraging quantum mechanics principles for efficient data processing.
- Astrophysics Simulations: Created simulations to model celestial phenomena using computational techniques.

Certifications & Courses

- Quantum Mechanics Fundamentals (Ongoing on Coursera)
- Advanced Python Programming for Scientific Applications

Career Goals

1. Pursue Master's and Ph.D. programs in Quantum Engineering and Astrophysics at leading institutions abroad.
2. Work in aerospace systems engineering with a focus on quantum field theory applications.
3. Complete astronaut training programs to achieve the dream of space exploration.