

Keep curiosity in orbit.

A father-and-son space science project connecting computing infrastructure with orbital mechanics. Free educational tools, transparent assumptions and primary references.

THE PROJECT

Arun Govindappa and his son, Naren Arun, are building Kaveri Orbital: an Orbital Data Centre Explorer, location-based ISS pass predictions and a global launch board. Naren is completing his astrophysics degree at Pennsylvania State University (Penn State). No university sponsorship or endorsement is claimed.

SCIENTIFIC FEEDBACK

We welcome researchers and technically curious people who can review a calculation, challenge an assumption or suggest a stronger primary reference. Useful feedback helps us improve both the models and their explanations.

EDUCATION & TECHNOLOGY

We welcome educators, astronomy communities and teams working in cloud infrastructure, computing, thermal management, semiconductors and space technology. Start with a shared question: a classroom activity, a guided demonstration or a transparent exploration of computing in orbit. Scope and any commercial arrangements are discussed privately.

WHAT WE CAN EXPLORE TOGETHER

Ideas include explaining the power and cooling behind an orbital data centre, helping students compare orbital scenarios, and understanding when the ISS may be visible. Core calculators, ISS tracking, launch information and calculation sources remain free to access.

TRANSPARENCY & INDEPENDENCE

Kaveri Orbital is an independent educational project. Collaborators do not control equations, assumptions, conclusions or sources. Any sponsored material is clearly identified. Estimates are not certified spacecraft engineering, and acknowledgement does not imply product validation or university endorsement.

Let's explore a shared question.

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