

Hello! from AgniKul.

### **Who are we?**

AgniKul Cosmos Private Limited focuses on design, development and launching of all aspects of rocket launch vehicle technology. We are working on creating a small orbital class launch vehicle that will be designed in India.

*("AgniKul" is inspired by the sanskrit word "Gurukul". Translates to: "a place where we learn to use fire")*

The company was founded with the sole idea of making space access affordable for everyone. Getting to space shouldn't be the hardest part about being space-faring. We would like to do our part in bringing space access to the common man. We strongly believe that making space access extremely cheap will open up currently unexplored paths in fields that are not even remotely linked to space today.

**Advisors:** We are both, very proud and thoroughly humbled to have an extremely accomplished set of advisors spread across senior scientists from ISRO, IIT-Madras, the Indian Govt. and even our customer base (i.e.. Cubesat developers) helping us accomplish this mission.

### **What do we offer?**

We are not here to just give grunt work to interns and employees. (non AI) Computer programs do that really well. Our people will be working either directly help us shape the design of the rocket, or work with us on carving out the business strategy, or build an operations framework for an international supply/chain problem in rocket manufacturing.

### **Eligibility**

We strongly prefer working with interns and employees who are passionate about aerospace and willing to work with us for long term

### **Electronics Engineer**

If you have considered saying "Roger" when you pick a phone call - this is for you

If you know the breakdown voltage of a Silicon diode - this is for you

If you think the next cricket match version should be "8080" - this is for you

### **RESPONSIBILITIES:**

- Design, develop and test space hardened avionics hardware that will support the functions of our launch vehicles and spacecraft.
- Will assist with prototyping, schematic capture, debugging, hardware bug tracking, functional verification and signal characterization.
- Support through production and test is expected.

**BASIC QUALIFICATIONS:**

- Bachelor of Science Degree in Electrical Engineering, Computer Engineering or Physics.
- Candidates must have 2+ years of professional experience with experience in fast-paced commercial based projects (non-aerospace); CPU-based circuit cards, consumer electronics, wireless devices, and/or low power platforms.
- Professional experience with analog, digital or mixed-signal design principles including designs using operational amplifiers, filters, and transistors.

**PREFERRED SKILLS AND EXPERIENCE:**

- Masters of Science Degree in Electrical Engineering, Computer Engineering or equivalent area of focus.
- 2+ years of board level experience designing hardware from concept through production; strong emphasis on full lifecycle development of new hardware systems -- not small incremental updates to legacy hardware.
- Strong understanding of computers and programming languages (C/C++, Matlab, Assembly language).
- Ability to work in a fast paced, autonomously driven, and demanding start-up atmosphere
- Excellent communication skills both written and verbal.

**ADDITIONAL REQUIREMENTS:**

- Must be available to work extended hours and weekends as needed

**What you could take away?**

- Your work will directly impact the company's (and the rocket's) trajectory
- You will learn rocket science from some of the most senior and respected minds in ISRO
- You will work on shaping space policy in India
- You will dirty your hands in a global supply/chain optimization problem

**Location**

- Chennai, India
- Remote working can be considered on a case-by-case basis

**Employment Type**

- Internship
- Part Time
- Full Time
- PhD Programs



*Launch rockets anywhere, anytime, affordably.*

**In conclusion**

A rocket, like anything else, is just the outcome of the right group of individuals coming together and working towards a common vision. We deeply value people we work with and are looking to collaborate with some of the best minds in the country to bring space closer to earth.

Pls. send us a three line email about yourself and a resume to : [humancapital@agnikul.in](mailto:humancapital@agnikul.in) if you are interested.