



## **Ather Energy**

### **JD for Controls Engineer**

#### **Join Us!**

We are [Ather Energy](#), India's premium, smart electric vehicle company was founded in 2013 by IIT Madras alumni, Tarun Mehta and Swapnil Jain. Backed by founders of Flipkart, Tiger Global and Hero Motocorp, Ather Energy has designed India's first truly intelligent electric scooters Ather 450 product line powered by a comprehensive public charging network, Ather Grid, built and designed in India. We are expanding our footprint across the country and will be in 26 cities in the coming months.

#### **What you'll do at Ather:**

- Be part of a great team
- Exposure to various subsystems of our vehicle & the signal processing and controls that go into it.
- Learn all about
  - Develop algorithms for Motor Control, Battery Management Systems, and Vehicle Controls
  - Control System Design using Modern Controls frameworks like LQR, Pole-Placement
  - Signal Processing with Digital Filter Design & Estimator Design
- See your applied math work at scale in vehicles all over India and beyond
- Interact with multi-disciplinary teams.
- Take initiatives to implement new controllers and systems, make academic theory a reality!
- Help and grow your peers

#### **What kind of experience & skills do You need for this role?**

- A sound understanding of engineering fundamentals & mathematics
- A knack for turning abstract math into workable concepts
- Ability and desire to work with hardware and figure out novel ways to collect and analyze key data
- Aptitude to learn new mathematical techniques and simulation methods.
- Ability to experiment and explore options that are out of the box
- To be able to work with minimal directions, but at the same time seek guidance when required
- Any prior exposure as part of academic projects in controls & signal processing is a plus