



In the quest to build the very first automotive test facility in the country, we are looking for a high performing Mechanical Engineer to join our team. We are developing our own in-house test rigs to further develop our accelerated structural testing capabilities. And we are looking for a team player who can learn quickly, work with a multidisciplinary team with an interdisciplinary approach, and can take ownership of the project to meet our high expectations.

**Job Title:** Mechanical Engineer - Test Rigs

**Responsibilities:**

- Design and development of test rigs and sub systems for structural testing of bike parts from ground up.
- Design and development of fixtures for test rigs.
- Research and selection of components required to build the system - from Load cells to sensors.
- Manage or assist with the purchase of equipment for the test system.
- Interact with automation components to carry tests - actuators, sensors.
- Development of testing procedures.
- Mechanical and functional testing from conceptualization to verification - test need, design, and development.
- CAD modeling, preliminary calculation, and basic FEA analysis on designed parts.
- Calibration and maintenance of testing equipment.
- Peer review of solutions, calculations, reports and design rational

**Requirements:**

- Degree in Mechanical/Vehicle Engineer or related field.
- Knowledge of verification/validation
- Must be an independent, perseverant person who can own the project and produce high quality work with minimal supervision.
- Good knowledge of Mechanics of materials.
- Good knowledge of Theory of Machines and Mechanisms
- Good knowledge of DFMA, GD&T.
- Communicative team player
- Good analytical and problem-solving skills
- Experience in component development
- Good command of the English language.

## **Good to have**

- Mechanical testing experience
- Knowledge of destructive and non-destructive mechanical testing.
- Knowledge of Electromechanical components
- Experience in Autodesk Inventor or 3D CAD software
- Knowledge about machining and Rapid prototyping.
- Experience with a complete certification program from concept development to type design approval is very beneficial

## **Benefits**

- Gets to play with cool things such as sensors, actuators, and control systems and test the heck out of systems
- Health insurance with 100% premium covered
- Generous PTO / sick leave
- 401(k) plan with employer match
- Free lunch and snacks
- Annual company retreat
- Bring your dog to work 🐕
- Work in a high-growth start up that will redefine urban mobility

## **About Us**

Yatri was founded in 2017 to prove world-class electric vehicles can be designed, engineered and manufactured from the ground up in Nepal - that switching to electric does not have to be a compromise but better, quicker and kinder to the planet.

Send your resume & cover letter to [careers@yatrimotorcycles.com](mailto:careers@yatrimotorcycles.com) and mention 'Application - Job Title' in the subject line.