VaishnavaHari S

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website ⌁ linkedIn ⌁ github

Objective

A progressive engineer: ignited by heart, powered by passion and driven by engineering; with a special interest in robotics. Seeking an opportunity to expand my horizon, in an environment that enables mutual growth and application of technology.

Education

Undergraduate

- Course: B.Tech Mechanical Engineering
- University: Amrita Vishwa Vidyapeetham, Coimbatore
- Period: 2016 - 2020
- CGPA: 7.37 / 10 - Program Completed in First Class

School

- Yuva Bharati Public School, Coimbatore → CBSE
- Subjects: Physics, Mathematics, and Computer Science
- Class XII (2016) - 424 / 50
- Class X (2014) - 9.2 / 10

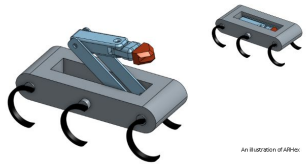
Areas of Technical Interest:

1: Designing robotic systems - Define configuration, engineer(Dynamic analysis, FEA) & build CAD models, material & parts selections.
2: Programming of robots - Develop using ROS packages: ros_control to move, actionlib to perform tasks and Moveit! to manipulate the environment.

Project

ARHex Robot

- Duration/Period: Jun-Oct/2019
- Objective: To design and build a robot with legs.
- Tools: ROS melodic and Gazebo 9
  project_website



An illustration of ARHex

Formula Student Car

- Duration/Period: 2016 - 2018
- Objective: To participate and perform well in formula student competitions
- Tools or techniques used: Motorsport Engineering and Mechanical Costing.
- Outcome: Placed 6th out 120 teams across India at SAEINDIA SUPRA 2017 held at Buddh International Circuit, Greater Noida

Topic: Chem-E-Car

- Duration/Period: Jun-Sept/2018
- Objective: To build a car powered by a chemical energy source, that will safely carry a specified load over a given distance and stop.
- Tools or techniques used: Engineering design and longitudinal dynamics.

Internship

- Digital Impact Square, A TCS Foundation Initiative - present/Jan-2020
  Objective: Developing a solution to combat noise pollution.
- Aqua Sub Engineering, Coimbatore - 2 months/ Winter-2019
  Objective: Automated an operation in the motor assembly line.
  Outcome: Recommended concept was accepted by the company management and project panel.
- CISCO thingQbator, Coimbatore - 15 days/ May-2019
  Objective: To develop IoT solutions for real-life problems.
- Sakthi Auto Components Limited, Pallagoundenpalayam - 14 days/ May-2018
  Objective: To understand quality systems and just-in-time production methodology.
  Outcome: Gained knowledge about the organization's structure to maintain quality. Observed use of the machining process in mass production.
- Ambal Auto Maruti Service Center, Erode - 12 days/ December-2017
  Objective: To obtain hands-on experience in automotive systems.
  Outcome: Gained a deeper understanding of the working of various subsystems of a passenger car.

Other Technical Qualification:

- Think in Python and fluent in MATLAB
- Skilled in CAD - Autodesk Inventor, Fusion 360, OnShape and FreeCAD
  - myCAD design
- Robotics Specialization - Coursera
  - certificate
- Own a 3D Printer
- Lean-Six Sigma Yellow Belt

Personal details

- Date of Birth: 23-May-1998
- Interests: Future of Human World
- Contact Address: 11°01'48.6"N 76°55'38.2"E
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Achievements, Scholarships, Honours, Contribution, etc:

University Fee Scholarship

- Details: 50% off in annual tuition fee.
- Where: Amrita Vishwa Vidyapeetham

Lord Of Code competition

- Details: Secured Campus 1st place
- When & Where: 2017-Online

Extra-Curricular Activities:

```
while True:
#Infinite Loop
    Objective()
```