VaishnavaHari S

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Objective

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

Education

Degree
· Course: B.Tech Mechanical Engineering
· University: Amrita Vishwa Vidyapeetham, Coimbatore
· Period: 2016 - 2020
· CGPA: 7.43 / 10

Higher Secondary Education
· Subjects: Physics, Mathematics, Computer Science, English and Chemistry
· Institution: Yuva Bharati Public School, Coimbatore
· Period: 2014 - 2016
· Board: Central Board Of Secondary Education, New Delhi
· Marks : 424 / 500

Secondary Education
· Institution: Yuva Bharati Public School, Coimbatore
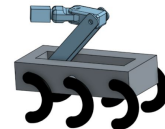· Board: Central Board Of Secondary Education, New Delhi
· CGPA: 9.2 / 10

Areas of Technical Interest:

1: Designing and programming robotic systems
2: Computer Aided Engineering (CAE)

Project

Topic: ARHex Robot
· Duration/Period: Jul-present/2019
· Objective: To design and build a robot with legs.
· Tools: ROS melodic and Gazebo 9
  github.com/svaichu/ARHex

Topic: 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.

In-plant Training/Internship
- Organisation / Location: CISCO thingQbator, Coimbatore
  - Duration/Period: 15 days/ May-2019
  - Objective: To develop IoT solutions for real life problems.
- Organisation / Location: Sakthi Auto Components Limited, Pallagoundenpalayam
  - Duration/Period: 14 days/ May-2018
  - Objective: To understand quality systems and just-in-time production methodology.
  - Outcome: Gained knowledge about the organisation's structure to maintain quality. Observed use of machining process in mass production.
- Organisation / Location: Ambal Auto Maruti Service Center, Erode
  - Duration/Period: 12 days/ December-2017
  - Objective: To obtain hands-on experience on automotive systems.
  - Outcome: Gained deeper understanding in working of various subsystems of a passenger car.

Other Technical Qualification:
- Fluent in Python and MATLAB
- Skilled in CAD - Autodesk Inventor, Fusion 360 and OnShape
  - [myCAD design](#)
- Robotics Specialization - Coursera
  - [certificate](#)
- Attended hands on workshop in - 3D Printing
- Lean-Six Sigma Yellow Belt

Achievements, Scholarships, Honours, Contribution, etc:

Name: University Fee Scholarship
- Details: 50% off in annual tuition fee.
- Where: Amrita Vishwa Vidyapeetham

Name: Lord Of Code competition
- Details: Secured Campus 1st place
- When & Where: 2017-Online

Extra Curricular Activities:

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

Personal details
- Date of Birth: 23-May-1998
- Language proficiency: English
- Interests: Future of Human World