**SREELAKSHMI R**

**PROFILE**

At Amrita Vishwa Vidyapeetham, an aspiring engineer seeking an entry-level career in a thriving company with interests CAD Model Design, Additive Manufacturing, and other manufacturing related fields.. I am enthusiastic about advancing my career by learning and combining technical and management abilities to produce ideas and solutions

**EDUCATION**

* **B.Tech Mechanical Engineering**

**CGPA – 8.14 / 10 2019-2023**

Amrita Vishwa Vidyapeetham

* **Class 12** – 92.67 % **2019**

Institution:

* **Class 10** – 100% **2017**

Institution:

**TECHNICAL INTERESTS**

Mechanical Design

**PROJECTS**

**Design and Manufacturing of Drone for organ transportation**

· Duration/Period: July 2022 – Current

Objective: To design a drone which can be used for organ transportation · Tools or techniques used: CAD software, CURA · Outcome: Expected to gain practical exposure towards designing and fabrication of drone.

**Face Recognition software using Python**   
November 2020 – December 2020 (Duration/Period) Using Python, create a facial recognition model that can recognize human faces.

**Portfolio Building and Final Project- Air Piston Cylinder Assembly modules using Solidworks.**

**Reverse Engineering a baby vise** Objective: Disassemble, measure, and model the component in Autodesk Inventor between November 2021 .and December 2021.

**Robotics major project, H Bridge and Control 4 Motors Simultaneously Performing PWM.**

Duration /period: February -April 2022

**TECHNICAL SKILLS**

•AutoCAD / Inventor / Fusion 360

•Design for Manufacturability / Assembly

•Microsoft Excel / Word / Outlook / Project •Additive Manufacturing / Mapping /Cura •Automotive prototypes testing / Data Analysis •Project management

•Ansys/Lisa

•Solid works

•Tinker cad

**INTERNSHIP**

**ARTENAL, Vancouver, Canada**

**Mechanical Designer**

**•**Designed and detailed the robotic hand using solid works/Autodesk Inventor Dec 2021- Feb 2022

•Successfully designed concept design for grippers and a robotic arm

• Worked extensively on creating structural support for the actuators, as well as prototype design and analysis on chassis.

•Worked on various projects simultaneously and managed time to meet project deadlines

•Communicated and attended the meetings with suppliers, customers, and project managers

•Collaborated with floor supervisors to solve the problems arise during assembly or fabrication

**Cochin Shipyard Limited Jun 2022-july 2022**

•I worked as an intern for one month and learnt the fundamentals of becoming an employee.

•Expanded the company's and consumers' connections

•Visited INS Vikrant and analyzed the overall project

•Submitted a thorough report on the company's overall growth and amenities

**LANGUAGES**

English, Tamil, Malayalam, Hindi