**B.Shree Ragaventhra**

**PROFILE**

A fresh engineering graduate, seeking a challenging position to hone my skills by working in consonance with organization’s goals and to deliver the best quality with professional integrity and ethics, in the field of mechanical engineering, with special interests in areas like Mechanics of solid, Design Thinking and

Operations research. So, I want to work in an organization which provides me the opportunity to improve my skills and knowledge for growth along with the organization objective.

**EDUCATION**

* **B.Tech** **Mechanical Engineering**

**CGPA – 8.43 / 10 2019-2023**

Amrita Vishwa Vidyapeetham

* **Class 12** – 85% **2019**

Institution:

* **Class 10** – 96% **2017**

Institution:

**TECHNICAL INTERESTS**

Mechanics of solid.

Design Thinking.

Operations Research.

**PROJECTS**

**Processor in loop testing of master controller for series hybrid vehicle.**

Objective: Development of hybrid electric vehicle controller using NXP Kinetis K40.

Scope of Work: To have better switching strategy between different power sources.

Methodology: Develop a basic model for series hybrid electric vehicle. Collect the required parameters to be fed to

the model. Develop a controller for vehicle. Comparison of various control algorithms for power source switching

using NXP Kinetis K40.

**TECHNICAL SKILLS**

MS Office

CAD (AutoCAD, Autodesk Inventor)

ANSYS (Workbench, APDL)

MSC Adams View(Basics)

**INTERNSHIP**

**L&T Defense.**

**·** Duration: 1 month.

· Objective: To know about Project management Techniques, manufacturing process of space materials.

· Outcome: Corporate work experience, Technical skills related to my core, Supply chain management.

**IIT–Delhi.**

· Duration: 2 months.

· Objective: To learn basic kinematics and dynamics of multi-body systems using recursive dynamic simulator.

· Tools or techniques used: ReDySim.

· Outcome: I have learnt to visualize the dynamic behavior of multi-body system using Redysim software.

**LANGUAGES**

English, Tamil, Kannada