**Sathyendra V**

**PROFILE**

A student pursuing BTech in mechanical engineering in Amrita Vishwa Vidyapeetham University seeking an opportunity to work in a company to apply the gained engineering knowledge on practical work situations and develop required skills constantly in the workplace.

**EDUCATION**

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

**CGPA – 7.97 / 10 2019-2023**

Amrita Vishwa Vidyapeetham

* **Class 12** – 79.4% **2019**

Institution: Vishwa Shishya Vidyodaya, Pollachi

* **Class 10** – 96.6% **2017**

Institution: Shanti Niketan Matriculation School, Pollachi

**TECHNICAL INTERESTS**

Manufacturing

Strength Of Materials

**PROJECTS**

**Spray Characterization of Liquid Jet Emerging Out From A Swirl Atomizer**

Duration : 07/2022 - Present

Objective: To design and fabricate a swirl atomizer and to study the spray characteristics

Tools used: Autodesk Inventor

Faculty Guide: Dr. K. Balaji (Assistant Professor, Mechanical Engineering)

**TECHNICAL SKILLS**

Solid works

Autodesk Inventor

Python programming

**INTERNSHIP**

**Mytex (India)Silk Mills Pvt Ltd**

Location : Umargam, Gujarat.

Duration/ Period : 7 days

Objective : To learn the manufacturing process of a fabric from the yarn and working of an industry in general.

Techniques used : warping. Drawing, beam gaiting, weaving and testing.

Outcome: Gained knowledge on how yarn (raw material) is turned into a fabric (finished product) through different processes and collaborating with other employees.

**SRiNi LiNK (Mfr of Cables and Wires)**

Location : Umargam, Gujarat.

Duration/Period : 10 days

Objective : To learn the manufacturing process of cables from copper and aluminium ingots. Techniques used : Wire drawing, annealing, bunching, electroplating, extrusion, armouring and testing.

Outcome: Gained knowledge on basic mechanical engineering concepts, how basically a factory operates and learnt general things in factory maintenance like the 5S system.

**Devendra Autocom Pvt Ltd**

Location : Ambattur, Chennai.

Duration : 24 days

Objective : To calculate the OEE of machines and improve it.

Techniques used : TPM (Total Productive Maintenance), 4M study with Cause-and-Effect Diagram, Pareto Principle and 5S System

Outcome : Knowledge of finding out an issue and approaching it with the help of various engineering concepts is gained.

**LANGUAGES**

English, Tamil, Hindi, Telugu