

MODUGAPALAM SHIVA TEJA

PROFILE

As a fresh engineering graduate, I am seeking to work and be associated with an organization where I can implement the skills that are gained during the course of my experience and be an asset to the organization.

EDUCATION

- **B.Tech Mechanical Engineering**
CGPA – 7.41 / 10 **2019-2023**
Amrita Vishwa Vidyapeetham
- **Class 12 – 85.33%** **2019**
Institution: Bhashyam Junior College
- **Class 10 – 96.6%** **2017**
Institution: Gautham Talent School

TECHNICAL INTERESTS

- Additive Manufacturing
- Lean Manufacturing

PROJECTS

- Topic :Design and Development of concrete 3-D printer
Period: 19th July 2022 to 22nd November 2022
Objective:To design and develop a concrete 3D printer with screw based extruder
Tools and techniques used: Arduino, Auto Desk Inventor
Outcome: Design a 3D CAD model of 3D printer and necessary analysis has been done
- Topic: Development of self-balancing robot and its control in Uneven Terrain.
Period: In progress
Objective: Design of self-balancing robot with robust control system for navigation in swampy and uneven terrain.
Tools and techniques used: MATLAB, Raspberry Pi, Auto Desk Inventor
Outcome: Prototype of the robot.

TECHNICAL SKILLS

- Autodesk Inventor
- Fusion 360
- Python
- SQL

INTERSHIP

- Organization: AMARA RAJA BATTERIES. Ltd.
Tirupati, Andhra Pradesh
- Period: 28/12/2019 to 17/01/2020
- Objective: To know about the various proceedings happening in

the industrial battery division

- Tools and techniques used: Grid Casting, pasting, plate cleaning, and cutting
- Outcome: Assembled batteries are used for heavy duties in railways.

ACHIEVEMENTS & HONOURS

- Name: National Cyber Olympiad (NCO)
- Area: Cyber science
- When & Where: Secured gold medal, Gautam's IIT Olympiad School, Tirupati, Andhra Pradesh

EXTRA CURRICULAR ACTIVITIES

- Performed MIME on Amritotsavam 2020 event and secured 3rd place.
- Participated in Gokulashtami event in college.

LANGUAGES

- Telugu
- English

HOBBIES

- Playing chess
- reading books
- watching movies