AMUJURU SHYAM VENKAT SAI

Gmail: amujurushyam@gmail.com , **Mobile No:** +91-9052814101
LinkedIn: https://www.linkedin.com/in/amujuru-shyam-venkat-sai-450501241/
GitHub: https://github.com/amujurushyam

PROFILE SUMMARY:

Researching and developing new engineering projects and ideas. Conducting tests and experiments on engineering projects. Performing maintenance tasks on engineering equipment. Attending meetings and taking notes on engineering projects. Enthusiastic and quick-learning recent graduate with a solid background in Engineering. Proficient in Html, CSS, Python and experienced in hands-on projects that developed problem-solving skills. Strong team player with excellent adaptability and organizational abilities. Driven to contribute effectively to team goals while continuously growing professionally. Eager to bring a fresh perspective to a dynamic role.

INTERNSHIPS

Python Programming Intern at Motion Cut by AICTE **Dec 2023 – Jan 2024**

- Done weekly tasks given by motion cut.
- Collaborated with cross-functional teams to gather requirements, extract actionable insights, and contribute to process improvement.

Virtual Internship on AI-ML by AICTE **July 2022 – Sep 2022**

- This is a two-phase course comprising of CLOUD FOUNDATIONS and MACHINE LEARNING.
- Cloud Foundations is intended for students who seek an overall understanding of cloud computing concepts, independent of specific technical roles. It provides a detailed overview of cloud concepts, AWS core services, security, architecture, pricing, and support.
- Machine learning is the use and development of computer systems that can learn and adapt without following explicit instructions, by using algorithms and statistical models to analyse and draw inferences from patterns in data.

Internship on Modification of Water Jacket on Roller Table in SMS-1 **June 2023 - July 2023**

- Analyse Cooling Efficiency: Evaluate the current water flow rate, pressure, and distribution across the roller table to see if it meets the cooling requirements for the temperatures encountered in SMS-1.
- Enhanced Flow Channels: Consider modifying the internal channels to improve water flow, increase cooling area, or optimize the cooling rate.
- CFD (Computational Fluid Dynamics) Simulations: Use CFD simulations to predict how changes in jacket design will affect cooling efficiency, water flow, and heat dissipation.

TECHNICAL SKILLS

- **Programming languages:** JavaScript, Python.
- **Tools:** GitHub, VS code.
- **Frameworks:** Bootstrap.
- **Web Technologies:** Html, CSS
- **Designing Software's:** AutoCAD, CATIA, ANSYS, Mastercam.

PROJECTS

Finite Element Analysis of Pelvis Response to Variable Loads and Fracture

The project aims to utilize Finite Element Analysis (FEA) to investigate how the pelvis responds to varying loads and the potential for fracture. This research is crucial for understanding the biomechanics of the pelvis, particularly in scenarios involving accidents or trauma. By simulating different load conditions using FEA, the study seeks to provide insights into pelvis behaviour, fracture mechanisms, and potential injury mitigation strategies. This research holds significance for fields such as biomechanical engineering, automotive safety, and medical science.

EDUCATION

Gayatri Vidya Parishad College of Engineering (Autonomous), Visakhapatnam-48. 2020 - 2024
Mechanical Engineering CGPA – 6.91/10

SOFT SKILLS

Communication, flexibility, Problem-solving, Adaptability, Presentation skills.

CERTIFICATIONS

- Core and Advanced Python Programming in Motion cut.
- Internship Completion Certificate by AICTE.