

STT

SAI TEJA

CONTACT



| +91-9676135797



ramsaiteja1@gmail.com



11-71/101, 500039
Hyderabad.

SKILLS

- Innovation
- Effective verbal & written skills
- Creative
- Team Player
- Project Management
- Hard-Working
- Strong Work Ethic
- Problem Solving
- Critical Thinking
- Data Analysis
- Strong Communication
- Adaptability/Flexibility

PROFILE SUMMARY

A Masters qualified in Engineering (professional) specializing in Mechanical Engineering and seeking for an entry-level position to develop the ability to use education, sense of curiosity and excellent hard work can forge opportunities to grow into management.

Dynamic and self-driven engineering professional with an extensive knowledge in developing and testing various equipment and tools. Creating detailed 3D models and drawings and managing the whole development process of multiple product lines.

An Aspiring engineering professional with success in managing communications and technical workflows under deadlines. Seeking role in an organization that values hard work and commitment to excellence with ability to quickly learn engineering methods and concepts.

Employment History

Graduate Engineer

April 2022 - Oct 2022

Exact CNC, Newry, Northern Ireland, United Kingdom.

- Reviewed work orders and procedural manuals and confer with vendors and design staff, assisted to resolve problems and modify a design.
- Assisted in defining product configuration and part geometry using SolidWorks as well as created fullydimensioned drawing using GD&T.
- Interfaced with manufacturing, process, engineering, and vendors to ensure quality designs and high performance.

Graduate Intern

Jan 2021 - July 2021

Platinum Engineering, Gateshead, England.

- Implemented and learnt new 3D printing technologies and design improvements including replacement materials and experimental test procedures to verify material specifications.
- Performed extensive time studies on various projects in the company.
- Assisted in supplier quality engineering, testing, and validation of process.

Mechanical Engineering Intern

May 2018 - Aug 2018

Defence Metallurgical and Research Labouratory (Dmrl), Hyderabad, INDIA.

- Gained exposure on various composite materials used in defence industry.
- Learnt advanced manufacturing techniques and their NDT methods.
- Performed extensive time studies on metal joining process, milling machines and CNC machines.

Education

MSc in Mechanical Engineering with Advance Practice, Northumbria University, UK | (January 2020 - May 2022)

Newcastle Upon Tyne, UK | Secured 65% - Merit Grade

Bachelor of Technology in Mechanical Engineering | July (2015 - 2019)

Jawaharlal Nehru Technological University, Hyderabad | Secured 65%

Relevant Projects

- **To Develop a Correlation Between Processing Parameters and Printing Conditions Of 3d- Printed Object Using Composite Material PLA-Wood with Different Filling Ratios.**
Module: Masters Project
Skills Used: Solidworks, 3D Printing
- **Building Additive Manufacturing Handling and Deposition, Platinum Engineering.**
Module: Advance Practice Project
Skills Used: Solidworks, ANSYS and 3D Printing.
- **Design And Optimisation of Aircraft Pylon.**
Module: Composite materials and lightweight structure
Skills Used: Solidworks, Ansys AIM & workbench simulation
- **Prediction Of Mode I Delamination Resistance of Z Pinned Laminates Using Embedded Finite Element Technique.**
Module: Advanced Stress and Structural Analysis
Skills Used: Abacus design and simulation (Structural, Fatigue, Thermal and Crack analysis)
- **Design And Analysis of Flat Finned Heat Exchanger.**
Module: Computational Fluid Dynamics (CFD) and Heat Transfer
Skills Used: Solidworks, Ansys Fluent, CFD
- **Design And Fabrication of a Go-Kart Using CVT.**
Bachelor's Project. Designed a Go-kart chassis, fabricated parts, and fixed engine using CVT.
Skills Used: CATIA, Ansys

Technical Skills

- **Cad Cam tools:** AutoCAD, SolidWorks, CATIA
- **Simulation tools:** ANSYS, ABACUS
- **3D Printing:** CURA Ultimaker, Slic3r
- **Programming skills:** C, JAVA

Certifications

- Autocad, CATIA and ANSYS – issued by CanterCADD
- LEAN six sigma White Belt – issued by The council for Six Sigma Certification.

Membership & Service

- Society of Automotive Engineers (SAE – India) – Student affiliate member, Participated in various Formula SAE competitions at the national level.
- Institute of Mechanical Engineers – Student Affiliate member
- Northumbria Student Union - Active member of Organizing Committee
- Iksha Foundation - NGO in Hyderabad lent a helping hand to impart basic math and science education to underprivileged kids in the community.

Interests & Hobbies

Motorsports, Cricket, Cooking, Travel, and Tourism

References

Available upon request