

CHILAPARAPU VENKATA VAMSI

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CAREER OBJECTIVE

Seeking a position in an organisation where I can contribute and develop my knowledge and skills for the professional growth while working for the welfare of it, through constant learning and perseverance.

EDUCATION DETAIL

- **M.Tech in Manufacturing Engineering** (2019) from Amrita School of Engineering, Amrita Vishwa Vidyapeetham, Coimbatore with 9.40 CGPA, **Gold Medalist**.
- **B.Tech in Mechanical Engineering** (2017) from Prasad V. Potluri Siddhartha Institute of Technology, JNTUK with 8.38 CGPA.
- Intermediate in M.P.C (2013) from Vignan Co-operative Junior College, Board of Intermediate Education A.P with 96.10 %.
- S.S.C (2011) from Vignan Cotton (E.M.) High School, Board of Secondary Education A.P with 88.16 %.

TECHNICAL SKILLS

Design Software Tools	:	Auto CAD, SolidWorks
Analyses Software Tools	:	Ansys (Workbench)
Utility Tools	:	Microsoft Office
Languages	:	Basic Concepts of C
Other Software Tools	:	Arena, Automation Studio

ACADEMIC PROJECTS

M.Tech Dissertation: Laser Surface Texturing on Stainless Steel 304 to Enhance Hydrophobicity.

(Individual project, Sep 2018 – Jun 2019)

Designed and fabricated bio-inspired microstructures on metallic surfaces with nanosecond laser to reduce the contact of water with metallic surfaces.

(This project is carried out in Vikram Sarabhai Space Centre - VSSC, Indian Space Research Organisation - ISRO as a part of **Reusable Launch Vehicle (RLV)** programme).

M.Tech Mini Project: Development of Active Brazing Technology for Silicon Carbide (Ceramic) to Ti-6Al-4V (Metal) Joints.

(Individual project, Jun 2018-Nov 2018)

Design and development of novel ceramic-metal joints under vacuum to overcome the limitation of thermal expansion mismatch using active brazing technology useful for aerospace applications.

(This project is carried out as a part of RESPOND programme for Composites Entity, ISRO Inertial Systems Unit (IISU), VSSC.)

B. Tech Project: Mechanical and Micro-Structural Characterization of Al-Mg-Ag Intermetallic Alloy by Stir Casting Method.

(Group project as Project Lead, 2016-2017)

Metal matrix, non-age hardenable AA 5005 with different amounts of 99.9% pure spherical nano silver powder produced by stir casting method. Samples are characterized by hardness, tensile, compression, and wear tests. From microstructure, it is clear that the addition of nano silver powder through stir casting enhanced homogenous and fine microstructure. The results show that Al5005-nano-silver, which is the best combination of hardness, can replace the conventional material for better performance and longer life.

INDUSTRIAL TRAINING AND INTERNSHIP

- Sri Ramadas Paper Boards Private Ltd., Jegurupadu, Andhra Pradesh (May.2016 to June.2016)
- Vikram Sarabhai Space Centre (VSSC), Indian Space Research Organisation (ISRO), Trivandrum, Kerala (Sep.2018 to June.2019)

PUBLICATION AND PRESENTATION

- **“Influence of Laser Machined Micro Geometrical Features on The Surface Wettability of Stainless Steel 304”**, The Springer Lecture Notes in Mechanical Engineering (LNME) series, ISSN (online): 2195-4356. (In press)
- Influence of Laser Machined Micro Geometrical Features on The Surface Wettability of Stainless Steel 304, *“International Conference on Innovative Product Design and Intelligent Manufacturing System”*, **NIT Rourkela**, Orissa on 17-18 May 2019.

HOBBIES AND INTERESTS

- Listening to Music
- Surfing on net
- Marathon Running
- Volunteer work

PERSONAL TRAITS

- Resilient in facing new challenges and learning from failure.
- Ability in troubleshooting and problem solving through analysis.
- Self-motivated with excellent learning and time management skills and a strong desire to succeed.
- Easily get involved with the new people and adaptable.

CO-CURRICULAR ACTIVITIES

- Completed an online certification program by **NPTEL** in **"Advanced Machining Process."**
- Member of Indian Society for Technical Engineers (**ISTE**).

PERSONAL DETAILS

Father's name	:	Subbarao
Mother's name	:	Padmavathi
Date of Birth	:	17.03.1996
Marital Status	:	Single
Languages known	Read	: Telugu, English, Hindi
	Write	: Telugu, English, Hindi
	Speak	: Telugu, English
	Understand	: Telugu, English, Hindi, Tamil, Malayalam

REFERENCES

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| 1. Dr. M. Govindaraju
Assistant Professor (SG)
Department of Mechanical Engineering
Amrita Vishwa Vidyapeetham University
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Scientist / Engineer – SE
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DECLARATION

I hereby declare that all the information furnished above is true to the best of my knowledge and belief.

Place : Rajahmundry
Date :

Chilaparapu Venkata Vamsi