# Kishore MN

7575 Frankford Road | Dallas, TX 75252, USA | 214-718-7654 |

kishore.mysorenagaraja@utdallas.edu


## EDUCATION

**The University of Texas at Dallas** Dallas, TX

Ph.D. Student in Mechanical Engineering. GPA: 3.57/4.00 Fall 2020 – Spring 2024

MS Student in Mechanical Engineering. Spring 2020 – Fall 2021

**PES University** India

BE in Mechanical Engineering. GPA: 8.13/10 August 2016

**Government CPC Polytechnic** India

Diploma in Mechanical Engineering. GPA: 8.5/10 June 2013

## EXPERIENCE

**The University of Texas at Dallas** Dallas, TX

*Graduate Researcher* 2020 – Present

- Computational Mechanics application in Powder Bed Fusion, and Direct Energy Deposition.
- Computational Mechanics application in Hybrid Additive Manufacturing Process involving Direct Energy Deposition and Ultrasonic Nanocrystal Surface Modification Technique.

*Teaching Assistant* 2020 – Present

- Computational Mechanics modeling for additive manufacturing using Ansys.

**PES University** India

*Research Assistant* Oct 2018 – Dec 2019

- Computational Mechanics application in Automotive, Dental, and Rotordynamics.

*Research Assistant* Jan 2016 – Feb 2017

- Computational Mechanics application in Composite Materials Design, and Aerospace.

**Siemens Technology and Services Private Limited** India

*Junior Design Engineer* Mar 2017 – Sep 2018

- Computational Mechanics application in Composite Materials Design for Fatigue.
- Failure Mode Effective Analysis for 6 production line healthcare equipment for $CrO_2$.
- Digital Twin application in Composite Materials Design for Fatigue.

## SKILL

**CAE Software:**

Flow3D, Abaqus, Ansys, Nastran, LS Dyna, Hypermesh, Ansa

**CAD Software:**

NX Cad, Catia, Solidworks, Autodesk Inventor

**Programming Software:**

Basic Proficiency: Matlab, Python, Fortran

## CONFERENCE

- Kishore MN, Wei Li, Youngsik Pyun, Dong Qian "Modeling Analysis of UNSM's Effect on Residual Stress in Laser Directed Energy Deposition", USNCCM16, Chicago, US, July 2021.
- Kishore MN, Suresh Nagesh "Life Prediction Model for Composite Leaf Spring", 8$^{th}$ Before Reality Conference. BETA CAE Systems. Munich, Germany, 2019.
- Kishore MN, Suresh Nagesh "Performance Analysis of Continuously Varying Transmission for an Electric Vehicles", IEEE Sustainable Technology Conference, Phoenix, US, 2016.
- Kishore MN, Suresh Nagesh "Innovative Landing Gear for Unmanned Aerial Vehicles", IEEE Global Humanitarian Technology Conference, Seattle, US, 2016.

## COMPETITION

- ASME Innovative Design Simulation Challenge 2016, ASME Additive Manufacturing Conference, Charlotte, US, 2016. – Best Utility Prize – $4500 – "Design of Landing Gear for Unmanned Aerial Vehicle using 3D Printing Technology".
- ASME Poster Competition 2016, ASME Commercialization of Micro, Nano, and Emerging Technology Conference, Houston, US, 2016. – Best Poster Prize – $500 – "CVT Technology for the Electric Vehicles and the Additive Manufacturing Capability in UAV Design".

## PUBLICATION

- Wei Li, Kishore Mysore Nagaraja, Xinchang Zhang, Dong Qian, Hongbing Lu, "Multi-physics Modeling of Powder Bed Fusion and Thermal Stress", 2021 - Manuscript Submitted.
- Wei Li, Kishore Mysore Nagaraja, "Modeling Study of Porosity's Effect on Grain Evolution During Directed Energy Deposition", 2021 - Manuscript Submitted.