

# NAVEEN KOMMURI

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## OBJECTIVE

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Multidisciplinary engineer with excellent problem solving and critical thinking abilities, seeks hands on experience within a company that embraces creativity and innovation. Through my studies, I have gained extensive knowledge of production and manufacturing engineering, product design, among many other components of Mechanical Engineering. Effective communicator who builds positive, cohesive relationship with all level of staff, eager to put my engineering knowledge to practical, applied use.

## EDUCATION

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<b>Bachelor of Technology in Mechanical Engineering</b> Koneru Lakshmaiah University, Guntur. CGPA : 9.12/10	2014 - 2018
<b>AISSCE, CBSE, Class XII</b> Kendriya Vidyalaya No.1, Nausenabaugh, Visakhapatnam, 85.6%	2012 - 2014
<b>AISSE, CBSE, Class X</b> Kendriya Vidyalaya No.1, Nausenabaugh, Visakhapatnam, CGPA : 9.6/10	2010 - 2012

## SKILLS AND INTERESTS

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<b>Skills</b>	Production and Manufacturing Engineering,
<b>Interests</b>	Mechanical Part Design, Flexible and Unconventional Manufacturing Systems, Metallurgy and Material Sciences.
<b>Design Software Platforms</b>	Autocad, ProE, SolidWorks, Catia, ANSYS, HyperWorks. MS Office, C.

## PROJECTS

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**Vibrational analysis of a human body on on automobile,** September 2017 - March 2018  
*Major Project*

- A beneficial solution for the problems face by tractor and truck drivers.
- Vibrational modelling and optimization of vehicle components using differential equations.
- Providing solutions for the differential equations using numerical methods.
- Improve Driver comfort and reduce fatigue.
- Reduce the chance of getting affected by any orthopedic irregularities .

**Friction Stir Welding of High Strength materials: Tool holder development** May 2017 - July 2017  
*Internship project*

- An Industrial Defined Project in collaboration with Institute for Plasma Research, Gujarat.
- Development and optimization of machine tools for advanced technologies.
- Development of manufacturing technology for usage in Plasma and Nuclear reactors.
- Probing the possible alternative solutions of potential welding techniques.
- Direct involvement in Space Applications Center, ISRO, Ahmedabad.

## INTERNSHIP/TRAININGS

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| - Summer Internship - Institution for Plasma Research, Gujarat. | May 2017- July 2017   |
| - Summer Internship - Visakhapatnam Steel Plant, RINL           | June 2016 - July 2016 |

## **POSITION OF RESPONSIBILITY**

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- Mentor and Senior Advisor of Avidruth, a Human powered vehicle building team May 2018 - Ongoing
- Captain of Sangfroid V2.0, a Go-Kart building team December 2016 - February 2018
- Design lead and drftsman of Avidruth, a Human powered vehicle building team September 2017 - April 2018
- Head of Drafting department, KLU - MESA. August 2016 - May 2018
- Coordinator and Wing Coordinator in national level technical fest YANTRIK. 2016 and 2017
- Organizer and Coordinator in national technical fest SAMYAK. 2016 and 2017
- School Sports Captain in Class XII April 2013 - March 2014

## **EXTRA-CIRRUCULAR ACTIVITIES AND ACHIEVEMENTS**

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- Stood 2nd in All India Go-Kart building championship January 2018
- Stood 5th in Asia Pacific Human powered vehicle challenge March 2018
- Hosted and participated in YANTRIK. 2016 and 2017
- Hosted and participated in SAMYAK. 2016 and 2017
- Participated in International Conference on Recent Advances in Composite Materials. February 2017
- Participated in Student Led Design Challenge, ASME in CBIT, Hyderabad October 2015
- Attended workshops on Catia, Hyperworks and SolidWorks September 2015
- Achieved an All India percentile of 86.9 in National Creativity Aptitude Test. March 2015
- Won Bronze medal in Kendriya Vidyalaya Sangathan, National Sports meet in Table Tennis October 2013