

Chandra Venkata Sai Bhagavan Kommu

www.Linkedin.com/in/bhagavan-kommu | ckommu@asu.edu | ckommu.myportfolio.com|(623)-212-6278

SUMMARY

Dedicated and results-driven master's candidate in Mechanical Engineering with a proven track record in materials analysis and experimental methodologies. Possesses strong technical skills in programming languages, computer-aided design (CAD), and multimedia tools. An innovative leader who effectively collaborates on diverse projects and activities.

EDUCATION

Master of Science in Mechanical Engineering

Arizona State University.

Exp Dec 2025

Tempe, AZ

Bachelor of Technology in Mechanical Engineering

National Institute of Technology-Manipur

GPA: 3.26/4.00

Nov 2023

Imphal, India

SKILLS

Software Skills: Python, MATLAB, Adobe Creative Suite, MS Office Suite, AutoCAD, JAVA.

Laboratory Skills: CNC Programming, Fabrication of Composites, Material testing.

Soft Skills: Innovative, Volunteerism, Leadership, Problem-solving, Multilingual.

EXPERIENCE

Undergraduate Research Assistant

National Institute of Technology-Manipur

Sep 2022-May 2023

Imphal, India

- Collaborated with Professor Sabindra Kachaap on two pivotal manufacturing projects focused on enhancing composite materials. Demonstrated empirically surface modification of composites leads to a notable increase in overall efficiency.
- Composed and delivered comprehensive thesis and project reports, each averaging over 50 pages, encompassing in-depth research findings, methodologies, and analyses.
- Operated Brinell hardness testing machine, Izod Charpy testing machine, and tensile strength machine to perform material testing and analysis, ensuring compliance with ASTM standards.

Graduate Mechanical Engineer Intern

Hindustan Shipyard Ltd

Feb 2022-March 2023

Vizag, India

- Led a team of 3 members and Accomplished internship on various machining processes including in ship repairing complex of HSL and gained technical knowledge about machining process and technology, and equipment used in a ship.
- Operated Lathe machine to fabricate precision components for ships.

ACADEMIC PROJECTS

Development and Characterization of Composites

National Institute of Technology-Manipur

Sep 2022-May 2023

Imphal, India

- Accomplished a major project on development and characterization of surface-modified burr mallow fiber composite and proved alkali-treated fiber composite has better properties than untreated one.

Applications of Vibration and Heat Transfer

National Institute of Technology-Manipur

Oct 2021 - Oct 2021

Imphal, India

- Completed an intensive Short-Term course on "Applications of Vibration and Heat Transfer in Mechanical Engineering," comprising 20 hours of instruction and hands-on laboratory sessions.

LEADERSHIP AND ACTIVITIES

- Leader of the Magnetophon Club (English Club) in college.
- Led a three-person research project on the "Development and Characterization of surface-modified Burr Mallow fiber composites."
- Organized a nature photography project at college and directed a team of 15 people while imparting knowledge on photography, settings, and effects in Adobe Lightroom and Photoshop Express.

ADDITIONAL INFORMATION

- Gold medalist in 200m sprint at NIT Manipur intra-college competition.
- The collection of my handwritten sentences may be located within a book entitled "Maples".
- won a creative reel award at Ougri Technical Festival, which was hosted at NIT Manipur.
- Volunteer, Swatch Bharat Campaign- Clean India Movement, Fit Manipur Event.
- Secured third place in videography competition held by Government of Andhra Pradesh.
- Photography Portfolio - ckommu.myportfolio.com