

ABHINAV MAKKENA

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EDUCATION

Jawaharlal Nehru Technological University Hyderabad B.Tech in Metallurgical Engineering	<i>2021 - 2024</i> GPA: 7.52/10
Jawaharlal Nehru Government Polytechnic Diploma in Metallurgical Engineering	<i>2018 - 2021</i> GPA: 9.26/10

EXPERIENCE

Project Intern , Nuclear Fuel Complex, Hyderabad	<i>02/01/24 - 28/02/24</i>
<ul style="list-style-type: none">Conducted a B.Tech Major project on the heat treatment of special metal Monel 400. Investigated the effects of varying parameters in cold rolling and heat treatment on the microstructure and corrosion rate. Performed tensile testing, corrosion studies, and evaluated microstructures.	
Organiser , ICIET International Conference 2022, JNTU, Hyderabad	<i>September 2022</i>
<ul style="list-style-type: none">Served as the Technical Team Lead for the Metallurgical Engineering Department's organizing committee. Led initiatives including poster design and managing paper submissions, ensuring adherence to selection criteria and quality standards.	
Apprentice , Sandvik Rock and Mining Tools Pvt Ltd	<i>March 2021 - September 2021</i>
<ul style="list-style-type: none">Processing, treatment, testing, and inventory management of gas-carburised, hardened, annealed, and tempered steel samples of various grades using metallographic techniques.Volunteered in technical maintenance and operation of a robotic shot-peening machine.	

PROJECTS

B.Tech Major Project , NFC, Hyderabad	<i>02/01/24 - 28/02/24</i>
<ul style="list-style-type: none">Investigated the influence of varying parameters in cold rolling and heat treatment on the microstructure and corrosion rate of Monel 400.	
B.Tech Minor Project , JNTUH	<i>June 2023- August 2023</i>
<ul style="list-style-type: none">Conducted thermo-mechanical simulations of the Friction Stir Welding process using ABAQUS CAE Software as part of the project.	

CERTIFICATIONS

Certificate of Participation , AYAS-2024, JNTU HYDERABAD	<i>April 2024</i>
<ul style="list-style-type: none">Participated in a technical workshop on "Emerging Trends in Material Sciences and Technologies" as part of AYAS-2024 fest, organized by the Department of Metallurgical Engineering, Jawaharlal Nehru Technological University, Hyderabad.	
Certificate of Participation , RAAM Workshop, University of Hyderabad	<i>May 2023</i>
<ul style="list-style-type: none">Participated in a two-day industry-oriented workshop on recent advances in additive manufacturing technology, engaging with scientists and researchers from IITs and various government institutions.	

Certificate of Participation, Exhibition of Defense Products, MIDHANI Hyderabad *Dec 2021*

- Attended a one-day exhibition by Mishra Dhatu Nigam Limited (MIDHANI) as part of Azadi Ka Amrit Mahotsav, engaging with industry experts and gaining insights into advanced defense materials and technologies.

SKILLS

Programming Languages and Frameworks

Python, AutoCAD, ABAQUS CAE, Linux, LabVIEW

Languages

Telugu, English, Hindi

ACTIVITIES

Volunteering - 2, ForIT Medical Camp, Swecha Foundation

April 2023, July 2022

- Led the medicine distribution team, ensuring accurate dispensation according to prescriptions and documenting patient-doctor interactions.
- Coordinated the venue management team, facilitating efficient setup and organization of the camp.

Contribution, Swecha Wiki

June 2021

- Contributed to a guide on how to "De-googlify" Android devices on fsmi.wiki.