

Kapu Narendar Reddy

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EDUCATION

Anurag University, Hyderabad B Tech (Bachelor of Technology)_Chemical Engineering (CHE) (7.8 CGPA)	2020 – 2024
NRI junior college, Hyderabad Intermediate_MPC (925/1000)	2018 - 2020
Akshara concept high school, Tandur Secondary School Of Certificate (9.0 CGPA)	2017- 2018

SKILLS

- Proficiency in programming languages (e.g., MATLAB, Python) for data analysis and modeling
- CAD software (e.g., AutoCAD) for drafting and design.
- Planning, scheduling, and coordinating projects.
- Team leadership and collaboration.
- Willingness to stay updated with advancements in the field.
- Having good technical skills on Data science.i.e.,Data Visualization

PROJECTS & INTERNSHIPS

Major Project:

ALUMINIUM AIR BATTERIES FOR SUSTAINABLE ENERGY:

Led a strategic project focused on evaluating the environmental impact and sustainability of next-generation aluminum-air batteries using openLCA software, aiming to enhance the eco-friendliness of EV batteries.

- Directed a key project using openLCA software to conduct lifecycle assessments of aluminum-air batteries, aiming to benchmark and improve their environmental sustainability.
- Led a team of 5 in gathering comprehensive lifecycle data, cutting across extraction, manufacturing, use, and recycling phases, to evaluate the environmental footprint. Enhanced lifecycle modeling techniques, improving the precision of impact assessments by integrating tailored openLCA models and extensive primary process data.

Technologies used:

- Proficient in lifecycle assessment (LCA) with openLCA software, emphasizing environmental impact reduction and sustainability improvements.

Internship:

Intern - Chemical Engineering

(EVEREST ORGANICS LIMITED,SADASIVAPET)

- Contributed to the design and Production of Omeprazole which is a proton-pump inhibitor.

- Participated in team meetings and brainstorming sessions to troubleshoot technical challenges and propose solutions.
- Prepared technical reports and presentations summarizing experimental procedures, results, and recommendations.

CERTIFICATES

Course completion certificate

Certification of Infosys Springboard in Basics of Python-2022

Course completion certificate

Certification of Infosys Springboard in Data Structures and Algorithm Using Python(Beginner)-2022

DECLARATION:

I hereby affirm that the information furnished above is accurate and complete to the best of my knowledge and belief. I am willing to provide references and undergo any necessary background checks