

GIRIDHAR GANDI

MECHANICAL AND ENERGY ENGINEER

Profile Summary

Master's student with **3 years' experience** in Energy Industry, specialized in **Renewable energy technologies** and **their Integration**. Holds a diploma from ESADE business school in entrepreneurship and management. Interested in business aspects of **Power Systems, Energy markets, Storage, Management and Hydrogen technology**. Actively looking for fulltime opportunities in the afore mentioned interests, where I can contribute my best for a greater good.

Education

Dual Master's in Renewable Energy by EIT Innoenergy

Double degree (2022 – 2024)

- 2 – Year program taught at top European technical universities: **KTH Royal Institute of Technology** (Stockholm) and **Universitat politècnica de Catalunya** (Barcelona)
- Secured the **Energy Impact Scholarship** at the European institute of Innovation and Technology.
- Developed **extensive knowledge of diverse renewable energy technologies**, including Solar, Wind, Hydro, Biogas, Hydrogen and Fuel Cells, and Energy Storage, through rigorous coursework and hands-on projects during my MSc in Renewable Energy studies.
- Developed economy wide energy system models to study the pathways for **energy transition**.
- Has hands on experience in data **analytics and machine learning applications** for energy systems.
- Academic projects **on Smart grids applications for digital transformation** of energy systems.
- Participated in consulting case studies and hackathons organized by McKinsey and Bax and Company.

Esade Business School Barcelona

Diploma in Innovation and Entrepreneurship (2022 -2023)

- Entrepreneurship and New Venture Creation Project – **Business development of Repurposing EV batteries after degradation**.
- **Design thinking and Agile Project management**.
- **Creativity, Strategy and Innovation**.

Amity University, India

Bachelors in technology (B. Tech) in Mechanical Engineering (2015 – 2019)

- 4 – Year course which covers core topics of Mechanical engineering.
- **Thesis:** Conducted research for creating polymer composites from Dhak Plant to investigate its potential uses.

Work Experience

Master's Thesis at Siemens Energy – Germany (June'24 - Present)

- Developing an economy wide energy system model of Germany using PyPSA.
- The main aim of the thesis is to investigate economic and ecological benefits of hydrogen in the sector coupled energy system.

Project Engineer at Zhenshen Insulation – India (Feb 2022 - Aug 2022)

- Co-ordinated with **International team** for site projects in Indian projects.
- Created and **headed a team of 4 junior engineers** for monitoring the applications of Boro silicate brick lining.
- Planned, managed resources and **successfully executed 2 projects** of flue can Boro silicate brick lining.

Project Engineer at Kuber Enterprises Pvt. Ltd. – India (June 2019- Jan 2022)

- Main responsibilities involved are planning project phases and managing site resources and manpower for the successful delivery of deliverables.
- Led a **chimney construction project** valued **€3.4 million** for a 660 MW coal thermal power plant for flue gas desulphurization.
- **Managed multifunctional teams** for the safe construction of two 150m tall chimney, mitigating height-related risks.



Contact

Mobile:

+49- 17641460233

Email:

giridhargandi18@gmail.com

LinkedIn:

<https://www.linkedin.com/in/giridhar-gandi>

Address:

- Am Europakanal 36,
Erlangen, 91056,
Germany.

Skills

- Design Thinking
- Project Management
- Leadership

Digital Skills

- MS office
- MS Power BI
- Python
- OpenWind
- Homerpro

Volunteering

- Member at **Toastmasters** international for public speaking.
- Volunteered for **Akshara Educational and Welfare Society** to teach underprivileged children.

Interests

- Calisthenics
- Volleyball
- Movies

Languages Known

- English (Proficient)
- German (Intermediate)
- Telugu (Native)
- Hindi (Native)