

SAMRAT SHAIK

Summary

Mechanical Engineer with a passion for learning, collaborating and educating others. Detail-oriented team player with strong organizational skills. Ability to handle multiple projects simultaneously with a high degree of accuracy.

Education

Master of Technology (Mechanical Engineering) – Lovely Professional University, Punjab, India, 2022.

Work History

Internship - 09/2021 to 07/2022

LG Electronics Pvt. Ltd, India

- Handled various tasks successfully in field of manufacturing and production
- Analyzed safety devices & its mechanisms in the plant
- Participated in workshops and presentations related to projects to gain knowledge
- Enhanced new approaches to streamline processes

Researcher - 06/2021 to 06/2022

Lovely Professional University, India

- Led a project focused on the fabrication of Green Composite Material, incorporating natural reinforced fibers and implementing an internal self-healing mechanism
- Developed and submitted a comprehensive research proposals. Defined and refined research objectives and contributing to a improvement in project outcomes
- Formulated detailed research plans, resulting in a increase in project efficiency and timely completion
- Conducted comprehensive assessments of research findings, meticulously analyzing details and promptly updating research documentation in response to new discoveries

Internship - 06/2019 to 07/2019

Thermal Power Plant (APGENCO), India

- Carried out successfully in completing the technical analysis of thermal power plant, material layout, process layout
- Gained experience in completing the technical modules of boiler pressure parts and output capacity of 210 MW and 500MW

Workshops

- Participated in semi-automation workshop and gained the knowledge of arduino electrical connectivity to home appliances at Lovely Professional University (09/2018 - 09/2018), Punjab, India



Contact

📞 9502432632

✉ samratshaik555@gmail.com

📍 Addanki, India

Websites & Profiles

- linkedin.com/in/shaik-samrat-328a1916b
- www.researchgate.net/profile/Shaik-Samrat

Skills

- Technical Analysis
- Production & Management
- Mechanical System Design
- CAD/ Ansys / NX
- Technical Direction and Product Strategies
- Process Flows
- Microsoft Office Suite

Languages

- English
- Hindi
- Telugu

Interests

- Music
- Sports
- Books

Projects

Details

- Condensers & boiler Pressure parts in thermal power plants (06/2019 - 07/2019), analysis done on condensers and boiler pressure parts in power plants and studied the drawbacks and methods to increase the efficiency of power plant. The effect of materials in terms of efficiency
- A Comprehensive Review of micro-cutting operation micro milling tools (03/2020 - 01/2021), published a review paper on micro milling tools at university level which is approved by UGC. Analysed the importance of micro milling tools and its necessity in the daily application for the materials operation and different methods of fabrication
- Effect of Self-healing agents on the mechanical properties of natural fibre reinforced green composites (06/2021 - 06/2022), published a research paper on Self-healing composites at the university level. Self-healing composite material with natural fibre as reinforcement. The mechanical parameters were analysed from laminated green composite when subjected to healing phenomena

Certifications

- Certificate of publication by Journal of Emerging Technologies and Innovative Research (01/2021)
- Certificate of Participation in Semi Home Participation (09/2018 - 09/2018)
- Certificate on Internship in Thermal Power Plant (06/2019 - 07/2019)
- Certificate on Internship in LG Electronics Pvt. Ltd (09/2021 - 07/2022)
- Best paper award in International Conference on Advances in Material Science and Technology (11/2022)
- Certificate on Renewable Energy Futures (06/2022)
- Certificate on Renewable Power and Electricity Systems (12/2022)

Declaration

- I hereby certify that the information provided in this resume is true and accurate to the best of my knowledge