

# GAURI SHANKAR PATEL

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Address: Torangallu, Bellary

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## EDUCATION

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**Bachelor of Engineering in Chemical Engineering**

**2016-2020**

Siddaganga Institute of Technology

Tumkur, Karnataka



## PROFESSIONAL EXPERIENCE

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**EXECUTIVE-PROCESS ENGINEER**

**10/2020 – Present**

**Epsilon Carbon Pvt Ltd**

**Bellary, Karnataka**

- Understanding of the Production and Process flow for Coal Tar Distillation DCS Plant of Capacity 600 TPD.
- MIS Operations
- Understanding of the working of equipment
- Review of BFD, PFD & P&ID,
- Line sizing, pump sizing & heat exchanger design calculation
- Transfer of operating knowledge to Standard Operating Procedures and training materials
- Carrying out heat and mass balances as well as process calculation
- Stock accounting on day and month
- Preparation of Production Planning
- Communicates with internal and external customers, suppliers, and other company personnel
- Planning and co-ordination with maintenance for preventive and breakdown maintenance Jobs
- Preparation of Process data sheets for equipment such as Distillation column, Heat Exchanger, Pumps, Storages Tanks.
- Build effective working relationships throughout the site, interact with shop floor supervisors, associates, and plant management to meet objectives
- Maintaining IMS document
- Maintaining 5'S
- Create and close out process orders in SAP



## PROFESSIONAL SKILLS

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- SAP system knowledge
- Basic Aspen Plus Knowledge
- Analytical and Problem-Solving Ability
- Understanding of Process Design
- Understanding of Distributed Control System (DCS)
- Good oral and written communication skills when dealing with individuals across the organization and with external customers or vendors
- Experience with office computer systems (Microsoft Office Products)



## PROJECTS UNDERTAKEN

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- “CNTs fortified cigarrate holder for the removal of harmful components from tobacco smoke”
- “A comparative study on Hydroxyapatite powder derived from Crab shell and Synthetic source”
- Injectable formulations of thermoresponsive gel and nanoparticle composite for intravitreal drug delivery to treat Fungal Endophthalmitis.



## AWARDS AND ACHEIVEMENT

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- Got First Prize in “**Safety Skit**” on Safety Day Organized by Epsilon Carbon Pvt Ltd
- Presented paper on “CNTs fortified cigarrate holder for the removal of harmful components from tobacco smoke” at Nano Invent, Azeotropy, IIT Bombay.



## TRAININGS

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- Short term training on “**Concepts of Nanomaterials and its characterization methods**”
- Workshop on “**Entrepreneurship Development**”.
- Outreach program on “**Nanoscience and Technology: Trends and Challenges**” conducted by CeNS
- Industrial Training at “**Maruti Pharma Pvt Ltd**”



## PERSONAL INTEREST

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- Volunteering
- Travelling
- Music

## DECLARATION:

I hereby declare that the information stated above is correct to the best of my knowledge and I hold the responsibility for any disparity found.

**Place:** Bellary

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