

**SAUDAGAR SUDHAKAR BHOSALE**

B-Tech : Chemical Engineering

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Pune, Maharashtra, India – 411046

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**CAREER OBJECTIVE**

I aspire for challenging career in the field of chemical technology where I would be given an opportunity to utilize the theoretical knowledge as well as my experience into practical field sense of responsibility and analytical thinking would and the organizational growth.

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**KEY SKILLS****Software:**

Microsoft Excel, Microsoft Word, AutoCAD, Aspen, Chem-CAD, HTRI, DWSIM and UNISIM.

**Technical Skills:**

Lab View, Mass Balance Calculations, Process Analysis, Process Optimization Chemical Process Design, Safety Assessments and Equipment Sizing,

**Post-Graduation Diploma in Process Engineering & Simulation:**

Introduction to PFD and P&ID, Types of Valves and Applications, Relevant Standards and Codes used in Chemical and Process in industry, Line Sizing: Software PSV inlet and outlet, Line sizing Pump Tank Sizing Calculations, Sizing and Datasheets. Types of Pumps, Centrifugal Pumps and Positive Displacement Pumps, Pump Characteristic Curves, NPSH Available, Differential Head and Process Datasheet.

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**B.E.: - Chemical Engineering**

*MGM's Jaharlal Nehru Engineering College Aurangabad*

2022 | CGPA: 8.14

**Diploma: - Chemical Engineering**

*Government Polytechnic Thane, Mumbai*

2019 | Percentage: 60.73%

**12th – MSBSHSE**

Shri Shivaji Mahavidyalaya Barshi

2015 | Percentage: 44.92%

**10th – MSBSHSE**

Madhyamika Vidyalaya Ambegaon, BK Pune

2013 | Percentage: 68.40%

## WORK EXPERIENCE

### 1. Process Engineer | PILON Engineering Pvt Ltd. Pune

14th Oct 2024 – Till Date

The organization is a pioneer & one of the most experience companies is designing & production R&D for various sector, like PSUs.

- PROJECTS:**
- 1. 100 KL Chemical Recycling Pilot Plant.**
  - 2. 20 L Pilot Reactor with Auxiliary System.**
  - 3. Supply of Continuous Fixed Bed Reactor System.**

Prepared Basic Engineering Package | Assisted in reactor design calculation | Preformed design calculations of heat exchanger and line size calculation | Prepared datasheet of instruments and equipment, prepared Operating manual and SOP's | Done HAZOP study, Preparation of purchase order for bought out items and also coordinated with vendor regarding technical clarification | Reviewed GAD, fabrication drawings and layout | Assisted in FAT, Dispatch and Commissioning activities.

### 2. Shift In-Charge | Radian Indus Chemical Pvt Ltd. Aurangabad

28th May 2023 to 27th July 2024

**Chemical Operation:** CSTR, Crystallization, Evaporation, Drying, Absorption Tower.

**Work Description:**

1. Hands on experience in handling of all equipment's.
2. Familiar with work permit system and responsible for rotating shift.
3. Active Participation in HAZOP Study in Plant.
4. Responsible for all maintenance occurred in plant.
5. Working as an EHS coordinator in plant.
6. Handling of Hazardous raw material such as HCL, HNO3 etc.
7. Responsible for start-up & shut-down of plant during power failure & other emergency cases.

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## INTERNSHIPS | Project Trainee | CSIR-NCL PUNE

20th May 2022 to 15th Oct 2022

*CSIR-NCL PUNE under Chemical Engineering Process Development (CEPD) Division, as*

*Project Trainee.*

- Working in the research area of “**liquid – liquid Equilibrium Study of Oxalic acid + 2-Octanol + Water System**”.
  - The purpose of this work is to study the oxalic acid recovery of possibilities from its aqueous solution using physical extraction.
  - Handling equipment- Reactor, HPLC, GC etc.
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### **PERSONAL DETAILS**

Father Name: Sudhakar Uttam Bhosale

Language Known: English, Hindi, Marathi

Date of Birth: 14th Dec 1997

Nationality: Indian

Marital Status: Unmarried

Permanent Address: At/Post-Kalambwadi(Pan) Post-Pangaon, Tal-Barshi, Dist-Solapur,413403

### **DECLARATION**

I hereby declare that above mentioned information is correct up to my knowledge and verified till date.

**Date :**

**Place :**

**SAUDAGAR SUDHAKAR BHOSALE**

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