

ABHISHEK S IGHARE



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I thrive on challenges that expand my knowledge and skills, and I have developed expertise in this domain through my education and work experience. I am looking for an exciting opportunity to apply my skills and knowledge to solve real-world problems and create value for the industry.

Education

Institute of Chemical Technology, Mumbai (CGPA-7.00)

Integrated M. Tech in Chemical Engineering (Major) & Lipid & oleochemicals Technology (Minor)

Jalna, Maharashtra, India

Aug. 2019 – June 2024

Shri Chakradhar swami senior college, Jalna (68.70%)

Maharashtra State board of Secondary Education (Science)

Jalna, Maharashtra, India

Aug. 2018 – Jul 2019

Deulgaon Raja High School, D.Raja (78.80%)

Maharashtra State board of Education

D. raja, Buldhana, Maharashtra, India

Aug. 2016 – Jul 2017

Experience (In-Plant Trainings)

- **INDIAN OIL CORPORATION LIMITED ,** **July 2023 – Aug 2023**
Panipat Refinery & Petrochemical Complex Panipat, Haryana
 - Chemical Engineering Intern
 - Completed the project on “The Role and use of Polyethylene Wax in Rubber Processing”. Overview of HDPE Unit, LLDPE unit, MEG Unit, Swing Unit , Naphtha Cracking Unit.
- **GAIL India Limited, Vijaipur, Madhya Pradesh** **Jan 2023 – Mar 2023**
 - Project Intern (Petroleum Engineering Intern)
 - Completed the project on “Instrument Air Dryer Bed Operation and Bed Exhaustion Time Analysis”. Study on IOPS Department, C2C3 Plant, LPG Plant, Propane Plant and Naphtha Plant.
- **Lupin Pharmaceuticals Limited, Goa** **Nov 2022 - Jan 2023**
 - In Plant Training – Operation analysis and Production
 - Quality tested Drugs using HPLC and GC Studied water conservation by Zero Liquid. Discharge & recovered dissolved solids in the feed water by using Reverse Osmosis Process, R & D in ETP .
- **Rashtriya Chemicals & Fertilizers Limited, Mumbai** **Sept 2021 - Dec 2021**
 - In Plant Training – Quality Control and Production
 - Study on Manufacturing Process of Concentrated Nitric Acid & Sulphuric Acid. Complete the project on “Shell & Tube Heat Exchanger”. Extra-Curricular Activities.
- **Icon Steels Rathi Steels & Metal Pvt. Ltd, Jalna** **Sep 2021 - Dec 2021**
 - In Plant Training – Research & Development and Production
 - Completed the project on "West water reuse for plants and many more Aided in analysing, designing, and implementing solutions.

- **Sanjay Techno Product Pvt. Ltd, Aurangabad** **Jan 2021 - Mar 2021**
 - In Plant Training – Production and Research & Development
 - Details study about different types of polymer material, Product Development and Quality Development, Increase in Sales and Consumer behaviour analysis.

- **Bhagylaxmi Rolling Mill, Pvt. Ltd, Jalna** **Jan 2020 - April 2020**
 - In-Plant Trainee Worked in R&D, manufacturing and QC lab, sales department
 - Completed the project on "Increase the Life span of the RO membrane". Aided in analysing, designing, and implementing solutions based on provided customer parameters and needs.

Extra-Curricular Activities

- Regional level Badminton/ District level Badminton Player.
- MTSE district rank holder 9th
- Qualified in Science & Mathematics Olympiad

Research Projects

Waste Heat Management and Recovery

- Conducted an in-depth analysis to identify sources of waste heat generated during steel production processes such as ironmaking, steelmaking, and rolling operations.
- Upon efficient waste heat recovery systems in steel plants it captured and utilized up to 70% of the waste heat generated during production processes.

Thesis Topic (MTECH)

Production of Sustainable Aviation Fuel from Cotton Seed Oil .

Technical Skills

- Microsoft office – PowerPoint, Excel, Word, OneNote, Outlook.
- Software's – CATIA, DWSIM
- Programming languages – Python, MATLAB, basic SQL .

Language Skills

English, Hindi, Marathi