

Abhinav Mishra

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EXPERIENCES

Kanoria Chemicals and Industries

Ankleshwar, Gujarat

Senior Engineer – July 2024 – Present

- Designed and successfully deployed a spreadsheet-based maintenance management system to track and manage Equipment Maintenance
- Developed a tool for predicting, planning and scheduling inventory procurement based on historical procurement data
- Participated in the Responsible Care certification audit representing the Process Safety Code
- Responsible for conducting IMS audits, performing HAZOP study, HIRA, PSSR, and preparing SOPs and logs for various sections of the plant
- Carrying out material balances for the plant's daily operations and new projects.
- Monitoring and managing supply chain and logistics in the plant using SAP ERP.

Shift Engineer – March 2022 – June 2024

- Responsible for ensuring the production targets in shifts, maintaining optimum RM and utility norms, utilizing the section operators and supervisors effectively, troubleshooting breakdowns and minimizing process downtime
- In-depth understanding of PFDs and P&IDs along with operations of pumps, heat exchangers, condensers, PFRs, CSTRs and MEEs
- Responsible for implementing preventive maintenance schedule to maintain the efficiency of plant machinery.
- Preparing daily and monthly production, variance, and downtime reports
- Hands-on experience with crystallization, evaporation, distillation, drying and centrifuging operations.

CSIR – Indian Institute of Petroleum

Dehradun, Uttarakhand

Research Intern – June 2019 – December 2019

- 6 months research-based project based on the process of hydrocracking at the DHOP Division.
- Performed continuous and batch reactions to evaluate the optimum reactions conditions for converting Vacuum Residue into useful Middle Distillates, using slurry phase technology on a pilot setup.
- Designed pilot setup layout using CAD and analyzed observations of the experiments using spreadsheets.

CERTIFICATIONS

- Lean Six Sigma Green Belt – KPMG in India
- Google Business Intelligence Specialization
- Google Data Analytics Specialization
- Supply Chain Fundamentals
- The Project Management Course – 365 Careers
- Introduction to Statistics – Stanford Online
- Excel Analytics: Linear Regression Analysis in MS Excel
- Microsoft Power BI and Tableau Training

EDUCATION

Bachelor of Engineering | Chemical Engineering

Thapar Institute of Engineering & Technology, Patiala, Punjab

August 2016 - July 2020

Higher Secondary Certificate | Central Board of Secondary Education

DAV Public School (BSEB Colony), Patna, Bihar

May 2016

Senior Secondary Certificate | Central Board of Secondary Education

Litera Valley School, Patna, Bihar

May 2014

SKILLS

- Lean Manufacturing
- Production Planning and Scheduling
- Material and Energy Balances
- IMS and RC Documentation
- MIS – Management Information Systems
- Designing and Modelling using AutoCAD & Aspen Plus
- Project Management
- Advanced Excel
- Data Analysis and Visualization using Python, R, MATLAB, Power BI and Tableau
- Database Management using SQL
- HAZOP, HIRA, PSSR Documentation

LANGUAGES

- English – Full Professional Proficiency
- Hindi – Full Professional Proficiency
- Maithili – Native Language
- German – Limited Working Proficiency (A2)
- Punjabi – Limited Working Proficiency
- Gujarati – Limited Working Proficiency

INTERESTS/HOBBIES

- Semi-Finalist on the Bournvita Quiz Contest
- Blogging on technology, cricket and football
- Reading various genres and writing poetry
- Self-Taught Keyboardist