

AKSHAY SANJAY NAIK

Nira, Pune

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Objective

Dedicated B.Tech. graduate in Chemical Engineering with a strong foundation in process engineering, production engineering, and supply chain management. Skilled in simulation, design, and analysis, with a passion for driving efficiency and sustainability in engineering projects. Eager to contribute expertise and drive innovation in a dynamic work environment.

Education

- Dr. Babasaheb Ambedkar Technological University** July 2020 - June 2024
Bachelor of Technology - Chemical Engineering
6.81/10
- Shri. Mugutrao Sahabrao kakade college, Someshwarnagar** June 2019 - Feb 2020
HSC - Maharashtra state board, Pune Board
58.92
- Shri. Babalal Sahabrao kakade vidyalaya, Nimbut** June 2017 - Mar 2018
SSC - Maharashtra State Board, Pune Board
77.60

Experience

- Project intern - Deepak fertilizers & petrochemicals corporation Limited, Taloja** March 2024 - May 2024
 - It a great experience I have studied many more things like pipe reactor, Rotary dryer, Scrubber, Cooling Tower, Granulator and some unit operation and screen efficiency calculation, Cyclone efficiency calculation and main manufacturing of NPK Fertilizer.
 - Company assigned to me project on "Time motion study on NPK train process cleaning."
- Plant trainee -Magnesia Chemicals LLP, Tardegaon (Lonand)** August 2023 - August 2023
 - It a great experience I have studied many more things like SS - reactor, Rotary dryer, Tray dryer, Evaporation, Cooling Tower, Filtration and some unit operation.
 - Main a manufacturing of potassium permagnate process understanding.

Projects

- Production of Biodiesel through Alage**
 - Produced biodiesel from algae through solvent extraction method
 - Cultivated and harvested algae for oil production
 - Optimized process for scale-up and commercialization
- Production of Activated carbon using NaOH Solution**
 - Produced activated carbon using NaOH solution
 - Achieved 60% activation level
 - Enhanced adsorption capacity by 40%
 - Optimized NaOH concentration and activation time for maximum performance
- Analysis of No of stage in distillation column using Aspen**
 - Analyzed distillation column design using Aspen Plus
 - Optimized number of stages for maximum separation efficiency

Skills

- Technical Skills : Aspen plus, MS Excel, MS word, persenatation,
- Soft Skills : Critical Thinking , Adaptability, Attention to detail, Quick Learner, leadership, Time mangement
- Hard Skills : Chemical Engineering Fundamental
- Languages : English, Hindi, Marathi.

Achievements & Awards

- 3 Rank in SSC in School, 2018
- Abhyaarthana scholarship competitive Examination
- Skyout and guide certificate

CERTIFIED COURSE & WORKSHOP

- Processes / Chemical engineering - BOOTCAMP 2021
- Project Management
- Diploma in chemical process safety
- MS Excel
- COSHH and the safe use cleaning chemicals
- Aspen workshop