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## DEEPENDRA RATHOUR

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Arjun Nagar Ward No. 12 Obaidullaganj District - Raisen M. P.  
8989272737 | deependra0504@gmail.com

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### Objective

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To secure a challenging position in the field of Petrochemical Engineering where I can utilize my technical knowledge, analytical abilities, and enthusiasm for continuous learning to contribute to the growth of the organization.

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### Experience

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- **Mahakal Chemical Pharmaceutical Private Limited** JANUARY 2023 - February 2023  
Chemical manufacturer in Bhopal, Madhya Pradesh
- **Nifco India Pvt. Ltd** May 2024 - July 2024  
Plastic injection molding workshop in Gujarat

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### Education

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- **UNIVERSITY INSTITUTE OF TECHNOLOGY, RGPV BHOPA** 2018 - 2022  
B.Tech in Petrochemical Engineering  
CGPA : 6.81 | SGPA : 7.75
- **Saraswati Shishu Mandir Higher Secondary School, Obaidullaganj District - Raisen M. P.** 2017 - 2018  
12TH MPBSE  
60%
- **Saraswati Shishu Mandir Higher Secondary School** 2015 - 2016  
10TH MPBSE  
74%

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### Skills

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- Basic knowledge of Python
- Communication and teamwork
- Video editing
- Process Equipment & Instrumentation
- Chemical Process Design

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### Projects

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- **Major Project :- Desalination of Sea Water into Drinking Water.**  
Object :- To develop an efficient and cost-effective method to convert sea water into potable water.  
Description :  
This project focused on converting sea water into potable (drinking) water using various desalination methods. The team studied different techniques like reverse osmosis, thermal distillation, and electrodialysis. The project aimed at finding a cost-effective and energy-efficient process for large-scale water purification, especially for coastal regions facing drinking water scarcity.
- **Minor Project :- A Study in the Production of Carbon Molecular Sieves**  
Objective:- Analysis and application of carbon molecular sieves in industrial separation processes .  
Description :  
This project involved researching the production process of Carbon Molecular Sieves, which are used for gas separation, particularly in the production of nitrogen from air. The study focused on the raw materials, activation processes, pore structure development, and adsorption mechanisms of CMS.

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### Interests

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- Playing indoor and outdoor games (Carrom, Baseball).
- Travelling

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## Languages

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- Hindi: Fluent
- English: Basic Working Knowledge

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## Workshops & Training Programs

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- Title: Short Term Training on “Process Modeling & Simulation of Micro and Macro Chemical Engineering Systems”  
Organized by: Indore Institute of Science and Technology, in association with RGPV Bhopal (Under TEQIP-III)  
Duration: 17th – 22nd February 2020
- Title: Android App Development Workshop  
Organized by: Krtya Technology Pvt. Ltd., hosted at MANIT Bhopal  
Duration: 12th – 13th October 2019

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## Internship

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- Central Institute of Petrochemicals Engineering & Technology  
Duration: 30 Days  
Area: Basics of Petrochemical Engineering & Industrial Practices.
- Organization: CIPET – Centre for Skilling and Technical Support (CSTS), Bhopal M. P.  
Duration: 23.08.2021 to 21.09.2021  
Role: Intern – Plastic Processing Tool Room (Quality Design & Maintenance)