

Jinesh Vijaykumar Patil

Email: jineshpatil68@gmail.com

Mobile: +91 8147065396

LinkedIn: www.linkedin.com/in/jinesh-patil



PROFESSIONAL PROFILE

Detail-oriented Chemical Engineer with hands-on experience in dairy processing and industrial wastewater analysis. Proficient in Honeywell UNISIM® and MATLAB; skilled in quality-control testing, process optimization, and data visualization. Seeking an entry-level role in the chemical and process industries.

EDUCATION

SDM College of Engineering and Technology
Bachelor of Engineering in Chemical Engineering
CGPA: 6.88

Dharwad, India
2025

KLES PU College
12 Grade

Chikodi, India
2021

Percentage: 82.16%

Shri Arihant Marathi Med High School
10 Grade

Borgaon, India
2019

Percentage: 84.32%

EXPERIENCE / INTERN

Karnataka Cooperative Milk Producer Federation Limited, Dharwad, KA | Intern | **Jul 2024 - Aug 2024**

- Observed and learned about milk processing, quality testing, pasteurization, packaging, and distribution.
- Acquired insights into quality control procedures, plant operations, and dairy product management.

Nichrome Testing Laboratory & Research Pvt. Ltd. Dharwad, KA | Laboratory Trainee |

- I have extensive experience in conducting comprehensive testing and analysis of wastewater samples.
 - I possess proficiency in sample preparation, data collection, and applying advanced analytical techniques.
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PROJECTS

Design and optimization of industrial Urea production plant using Unisim simulation software
OCT 2024 – MAY 2025

- Design the overall industrial process to produce Urea using UNISIM Simulation software.
- Simulated key process units including synthesis, recirculation, hydrolysis, and evaporation.

Extraction of oil from watermelon seeds **AUG 2023 - MAY 2024**

- Extracted oil from watermelon seeds using the solvent soaking method and analyzed its yield and recovery.
 - The study highlights sustainable waste utilization, offering an eco-friendly and cost-effective alternative for oil extraction.
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SKILLS

MATLAB, Honeywell UniSim, Power BI, MS Excel, Titration.

LANGUAGES

English, Marathi, Hindi, Kannada

EXTRA-CURRICULAR ACTIVITIES

- Winners for Best Drama Group in Fresher's Competition, SDMCET Dharwad.
- Engaged in a walkathon event organized in celebration of Environmental Day'2023 to raise awareness.