

# Dnyaneshwar V. Gawande

Address: Flat No.04, Sai-dham society, silver garden, opp. PNG Jewellers,  
Chafekar chauk, Chinchwad, Pune-411033.

Mobile: 7776977342

Email: dnyaneshwargawande201@gmail.com

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## PROFILE

A Chemical Engineer with excellent knowledge of unit operations, having 3 years of industrial experience in API Production. Looking actively forward for careers in Process Engineering and Research & Development fields

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## SKILLS & ABILITIES

Software – AutoCAD, Hysis, HTRI, MATLAB, Microsoft office.

Process troubleshooting.

Good communication, willingness to learn & hard working.

Team player.

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## EXPERIENCE

### MEGA FINE PHARMA PVT LTD, NASIK AS EXECUTIVE ENGINEER

**1 July 2012 to 21 august 2015**

- Making PFD for product batches.
  - To carry out unit reactions and unit operations (distillation, extraction, filtration, centrifugation, drying) in various product batches.
  - In case of failure of any product batch, analyze critical process parameters, critical unit operations, critical reactions and raw materials of the process at Lab scale.
  - Scale up from pilot scale to plant scale.
  - Utilizing utilities as per reaction requirements.
  - Safety precautions.
  - Optimization of the process for smooth production, purity and reactor modifications.
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## EDUCATION

### PG Diploma in Process design and simulation, 2018, Asian Academy, Pune

- Process Flow Diagram.
- Piping and Instrumentation diagram.
- Line sizing calculations.
- Heat and Mass Balance Calculations.
- Pump calculations.
- Design of Distillation Columns especially for ethanol production.
- Design of Heat exchangers and Evaporators.

**M.Tech In Chemical Engineering, 2018**

VIT, Pune, (80.30%)

**B. E. In Chemical Engineering, 2012**

K.K.Wagh Engineering College, Nasik (65.20%)

**Intermediate in Science, 2008**

Dnyanmandir Junior College Ale, Pune. (75.83%)

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**PROJECTS**

**Controlling instabilities in extrusion film casting process using Nano clay filled polymer composites, CSIR-NCL, Pune.**

- Applied mathematical approach for stability analysis
- Modelling of extrusion film casting process using multi-mode Phan Thien Tanner Constitutive Equation for draw resonance analysis for P-LLDPE resin & P-LLDPE filled with Nano resins.
- Simulate the film casting equations using MAT LAB under isothermal and nonisothermal conditions
- Analysed the effect of temperature on stability of P-LLDPE & P-LLDPE filled with Nano resins.
- Comparing experimental and simulated results of stability of film casting for P-LLDPE & P-LLDPE filled with Nano resins.

**Demineralization of water using ion exchange resins”, Deltafinochem PVT LTD, Wadivarhe, Nasik**

- Fabricated demineralization model
- Analysed various parameters of water such as TDS, Conductivity and pH.

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**PERSONNEL  
DETAILS**

Date of Birth - 20 October 1990  
Gender - Male  
Nationality - Indian  
Passport NO. - S 5139424  
Marital Status - Single  
Languages - English, Marathi Hindi.

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DATE:

PLACE:

SIGNATURE: