



## SAMARTH PATIL

B.Tech Chemical Engineering.

**Area of Interest:** Process Design Engineering, Technical Services And Process Safety.

### CONTACT

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📍 Kolhapur

📍 Current: Andheri W. Mumbai.

### LINKEDIN:-

<https://www.linkedin.com/in/samarth-patil-3b344a221>

### TRAINING/COURSE:

Process Design Engineering Course (ISO 9001:2015)

**Institute:** SB Technologies

(Malad, Mumbai, Maharashtra.)

Duration: Jul 2023 To Oct 2023

### SOFTWARE SKILLS:

- Microsoft Office Suit
- Aspen Plus
- Aspen HYSYS
- HTRI

### EXTRA CURRICULAR ACTIVITIES:

Technical : NIRMITI 2022 Runnerup

Social : A.P.J. Abdul Kalam Foundation

Library Head

National Service Scheme (NSS) Member

### LANGUAGES KNOWN:

English, Hindi, Marathi.

PASSPORT: Applied.

# RESUME

## OBJECTIVE:

A highly motivated and hardworking individual Seeking an opportunity in the field of Process Engineering where I can design & optimize Chemical Processes and create value for my prospective employer through my dedicated and diligent efforts.

## EDUCATIONAL BACKGROUND:

**Institute:** Padmabhooshan Vasantraodada Patil Institute Of Technology Budhgaon, Sangli.

**Degree: B.Tech** CGPA: 8.18 (76.8%) Passout Yr: 2023

**College:** Main Rajaram Highschool And Jr College Kolhapur.

**Degree: HSC** Marks: 69.23% Passout Yr: 2019

**School Name:** P.P.Dr.G.G.Jadhav Highschool, Kerli, Kolhapur.

**Degree: SSC** Marks: 85.20% Passout Yr: 2017

## TECHNICAL SKILLS:

- Introduction to BFD, PFD, UFD and P&ID.
- Relevant Standards and Codes used in Chemical and Process industry API, ASME, IS, TEMA, IBR, GPSA etc.
- Piping Design Basics, Piping Line List.
- Line sizing for Liquids and Gases, Pressure Drop Calculations.
- Pump Calculations Sizing and Datasheet.
- Types of valves and applications.
- Breather Valves & Venting requirements as per API 2000.
- Control Valves Sizing and Calculations.
- Air moisture separator calculation and datasheet.
- Design and Classification of Storage Tanks.
- PSV, PRV, RD, Pressure Setting Criteria & Relief events.
- Design of Heat Exchanger and Cooling Tower.
- Distillation column design.
- Equipment Process Datasheet, Instrument Process Datasheet.
- Steam Ejector, Flame Arrestor, Static Mixer, De-Superheater.
- Special Piping Material Datasheets Item : Filters, Strainers, Steam Traps, Sight Glass and Flexible Hoses.
- Introduction to HAC, HAZOP, LOPA.

## ACADEMIC PROJECTS:

- Convective Drying: Effect Of Blanching Of Turmeric Root (Bulb) On Drying Characteristics.
- Hydrogen Generation Through Water Splitting Reaction Utilizing Powdered Aluminum and Sea Water.