

Vatsal Gayakwad

B.tech Chemical Engineer

✉ vatsal5665@gmail.com ☎ +917405185665 📍 Bharuch, Gujarat. 📅 01/10/1996 ♂ Male 🏠 Married

🇮🇳 Indian 🌐 [linkedin.com/in/vatsal-gayakwad-2120b6158](https://www.linkedin.com/in/vatsal-gayakwad-2120b6158)

Profile

To strive for excellence in the field of Chemical Engineering - with dedication, focus, proactive approach, positive attitude and passion, and to utilize my knowledge and skills in the best possible way for the fulfillment of organizational goals.

AREA OF INTEREST :

I am interested Pre-commissioning & commissioning in oil & gas industries & petrochemical industries, Projects & plant startups. Having knowledge about distillation, Gas cracking , petrochemicals & specialty chemicals.

Professional Experience

DCM Shriram Ltd.(SAC Jhagadia), Shift Engineer

07/2024 – present | Jhagadia, Bharuch, India

- Pre-commissioning & commissioning activities in **Epichlorohydrin project (Green field)**.
- Plant startup related activities.
- PTW system.
- Hotloop checking with instrument, electrical & mechanical team.
- P&ID, PFD, GAD & Data sheet review.
- Plant operation related & safety related training given to Operators & contract worker.
- DCS operation (YOKOGAWA centum VP)
- Utility operation & troubleshoot

Reliance Industries Ltd. (Dahej, Gujarat),

08/2022 – 06/2024 | Bharuch, India

Panel Engineer (Sr. Executive)

- Have completed **Mega Shutdown & short shutdown of Gas Cracker Unit**.
- Made Isolation & blinding diagram on software for reference.
- Taken all safety related training (eg. Fire safety management, Fire fighting, First aid, Permit to work system) & participated in related quiz.
- Taken training of Plant related Emergency Response & control Plan (ERCP)
- Have given Plant related safety training (Level 2) to approximately 1000 contract person during Mega Shutdown.
- Process operation through DCS (Yokogawa-centum VP) of Gas Cracker Unit
- Equipment handled:- Pumps, Compressor, Furnaces, column, Dryer, Vessels, Various types of exchangers Etc.
- Furnace operation during ethane & propane cracking as well as troubleshooting with Boiler feed water circuit to furnace.
- Quenching Of cracked gas, Quench tower circuit, Compression of cracked gas in multi stage 3 module Turbine compressor (Capacity of 17 MW, High pressure steam turbine compressor) to 25 kg/cm².
- Caustic tower handling, Operation & trouble shooting.
- Dryer system operation (Adsorption) for moisture removal from gas.
- Cooling tower & Condensate Polishing Unit (CPU) operation & troubleshooting.
- Dilute steam generation system handling.
- Handled steam generation & let down system from pressure of 113 kg/cm² to 5 kg/cm².
- Lube oil & seal oil circuit of compressor handling & operations
- Cooling tower handling & operation for Chlorination & Sulfuric acid injection.
- Fuel gas system handling & troubleshoot

Aditya Birla Grasim, Cellulosic Division, Process Engineer

07/2021 – 07/2022 | Bharuch, India

- Project startup Commissioning & operation in Viscose Staple Fiber Expansion project
- Process operation through DCS (Yokogawa) of Viscose fiber
- Shifts & Manpower Handling
- Equipment handled:- Pumps , Maturing drum (type of dryer) , Alkcell pressing equipment (Twin roll press), Churning process, Crusher & cutters, Vessels etc.

Sterling Auxiliaries Pvt. Ltd, Production Engineer

07/2019 – 07/2021 | Bharuch, India

- Plant Supervision & Operation on DCS (Honeywell).
- Production of amines & handling products based on ethylene oxide & propylene oxide.
- Having experience of Ethoxylation & Propoxylation.
- Equipment handled:- Pumps, cooling tower, CSTR, Columns, various types of Exchangers , Storage tanks loading & unloading system.
- Continuous & batch mode plant handling on DCS.
- PTW (Permit to work) system as per company rules.

Education**B.tech Chemical engineering, Parul University**

2015 – 2019 | Vadodara, India

6.01 CGPA

H.S.C, Narayan Vidhyalay

2012 – 2014 | Bharuch, India

50%

S.S.C, Narayan Vidhyalay

2011 – 2012 | Bharuch, India

86.3%

Languages

English

Hindi

Marathi

Gujarati

Interests

- Automobile
- Adventure & Tracking
- Googeling

Courses**Process Design Engineering, Smart Brains**

Vadodara, India

A free & open source Chemical Process Simulator : DWSIM™,

UPL University

Ankleshwar, India

Strengths**Professional Skills**

- Positive attitude with goal Oriented approach.
- Innovative mind setup.
- Dedicated and hardworking.
- Career oriented and skillful.

CORE COMPETENCIES:

- Excellent verbal and written communication skills
- Ability to deal with people diplomatically
- willingness to learn
- lead group
- Teamwork and collaboration
- Good interpersonal communication skills
- Strong analytical ability
- Capable of giving strong attention to details

Computer Proficiency

- MS OFFICE
- EXCEL
- POWERPOINT
- DCS operation (Honeywell, Emerson, Yokogawa)

Declaration

I hereby declare that the above written particulars are true to the best of my knowledge and belief.



Vatsal P Gayakwad
Bharuch