

Aovi Deshpande

◇ [Website](#) ◇ [Email](#)

EDUCATION

Shivajirao S. Jondhale College of Engineering

2017-2021

- B.Tech, Department of Chemical Engineering, *CGPA: 9.01/10*

Pandit Bachraj Vyas Vidyalyaya

2015-2017

- Higher Secondary, Maharashtra State Board, *Score: 76/100*

Chanda Devi Saraf High School

2004-2015

- Secondary School, Indian Certificate of Secondary Education, *Score: 92/100*

INTERNSHIP EXPERIENCE

Rashtriya Chemical Factory

Winter 2019

Guide: [Mr. John Doe](#)

[RCF, Mumbai](#)

- vocational trainee at ammonia plant
- overview of urea, argon, heavy water, carbonmonoxide, steam generation plants
- vocational trainee at ammonia plant

KEY TECHNICAL PROJECTS

Process Simulation —*Process Engineering, Cost Analysis*

Summer 2020

Guide: [Prof. John Doe](#) [\[REPORT\]](#)

[Mumbai](#)

- Created a start to end process simulation of a three component azeotrope system
- The process had nitric acid, HCl and water system which was seperated by a dual pressure swing distillation column
- Cost analysis along with debottlenecking and process optimization for the system was also carried out

Data Analysis —*Process Engineering, Cost Analysis*

Summer 2020

Guide: [Prof. John Doe](#) [\[REPORT\]](#)

[Mumbai](#)

- Learned about predictive modelling and basics of machine learning.
- Applied predictive modelling and statistical methods to analyse data of an Insurance company and finding out the probability of failure of payment based on past records.
- Learned about predictive modelling and basics of machine learning.

Heat Exchanger —*Process Engineering, Cost Analysis*

Autumn 2019

Guide: [Prof. John Doe](#) [\[REPORT\]](#)

[Mumbai](#)

- Developed a working model of variable temperature outlet heat exchanger from scratch.
- The model was awarded 1st prize in TSEC under IICHE (Indian Institute of Chemical Engineers).
- The project received praises for it's temperature adjustability and simple scalability.

Steam Trap Health Monitor —*Process Engineering, Cost Analysis*

Winter 2017

Guide: [Prof. John Doe](#) [\[REPORT\]](#)

[Mumbai](#)

- Developed a Steam Trap Health Monitor which works by classifying vibration patterns.
- Lead the team of six throughout the whole development operation.
- The model reached the semi finals in Smart India Hackathon 2019 (Hardware Edition).

Smart Bin —*Process Engineering, Cost Analysis*

Spring 2018

Guide: [Prof. John Doe](#) [\[REPORT\]](#)

[Mumbai](#)

- Implemented a SMART bin on Arduino UNO microcontroller platform.
- Used ultrasonic sensor interfaces to give automatic functioning and moving abilities.
- Added support for automated notifications about bin status through use of a GSM module.

ACHIEVEMENTS

- Qualified for Eyantra 2018 stage 2 held by CSE department of IITB among 200 participating colleges (2019)
- Presented a poster on treatment of “Recycling of non-recyclable plastics” at Thadomal sahani college for Techfest held under IICHE (Indian Institute of Chemical Engineers) (2019)
- Secured **National Rank 1** in **National Science Olympiad**, conducted by SOF (2017)

SKILLS

Technical	MS-office, AutoCAD, Scilib, Basic Python, DWSIM
Soft	Leadership, Communication Skills, Decision making, Social Skills, Time Management
Hobbies	Playing Piano, Listening Music, Online surfing, Shopping, Trekking
Talents	Stand-up comedy, Negotiation, Event anchoring

POSITIONS OF RESPONSIBILITY

Department Co. Technical Head

Sept 2019 - Present

- Managed social media strategy, branding and street teams to ensure event attendance
- Preparing event reports and guiding all event managers regarding event organization

EXTRACURRICULARS

- Underwent one year long training in Hockey under National Sports Organization (2017)