

# AOVI DESHPANDE

## 4th year Undergraduate in Chemical Engineering

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Mumbai, India

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## EDUCATION

B.Tech, Department of Chemical Engineering

9.01/10

2017 - 2021

Shivajirao S. Jondhale College of Engineering

Higher Secondary, Maharashtra State Board

76/100

2015 - 2017

Pandit Bachraj Vyas Vidyalaya

Secondary School, Indian Certificate of Secondary Education

92/100

2004 - 2015

Chanda Devi Saraf High School

## INTERNSHIPS

Adya Group

Summer 2020

Adya, Mumbai

- Process Simulation Intern
- learned comprehensively about DWSIM and performed simulation on unit operations and process
- Generated a report on software uses and limitations along with one practical project.

Rashtriya Chemical Factory

Winter 2019

RCF, Mumbai

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

Vijay Gas Industries

Winter 2019

VGI, Mumbai

- Worked as an intern in Ammonia and Nitric Acid manufacturing plant
- Performed detailed analysis on various unit operations and their practical applications
- Generated a comprehensive report on the working of the plan.

## TECHNICAL SKILLS

MS-office	AutoCAD	Scilib	Python	DWSIM	Aspen Hysys
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MS-office	AutoCAD	Scilib	Python	Aspen Hysys	MS-office
AutoCAD	Scilib	Python	DWSIM	Aspen Hysys	MS-office
AutoCAD	Scilib	Python	DWSIM	Aspen Hysys	

## LIFE PHILOSOPHY

"Do not fear failure but rather fear not trying."

## 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

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## AREA OF INTEREST

Sitting

Shopping

Shitting

Studying

## PERSONAL SKILLS

Leadership

Communication

Decision Making

Social Skills

Time Management

## PROJECTS

### Process Simulation

📅 Summer 2020

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

### Data Analysis

📅 Summer 2020

- 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

📅 Autumn 2019

- 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

📅 Winter 2017

- 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).

## ACHIEVEMENTS

- Qualified for Eyantra 2018 stage 2 held by CSE department of IITB among 200 participating colleges
- 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)
- Presented a review paper design of horizontal distillation column at ICT Mumbai for OYCE Competition.
- Attended an industry-academy programme at DAE Convention BARC (Bhabha Atomic Research Centre).
- Ranked 1st in stage 1 of Chemophilia organized by Azeotropy, IIT Bombay
- Awarded 1st prize for poster presentation on Science day.
- Participated in essay, quiz and debate competition held by office of Deputy Commissioner of central GST
- Team Leader in IICDC (Indian Innovation Challenge Design Contest) for development of SMART Helmet.

## CERTIFICATIONS

CodeChef Data Structure (CCDSAP)



MachineLearning for Engineers (NPTEL)



SoftSkill by INFOSYS



## HOBBIES

Playing Piano

Listening Music

Online Surfing

Shopping

Trekking

Reading Books

## TALENTS

Stand-up Comedy

Negotiation

Event Anchoring

Bargaining

Fancy Dress Competition