

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 Vidyalaya

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

Adya Group

Summer 2020

Guide: [Mr. John Doe](#)

[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

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

Vijay Gas Industries

Winter 2019

Guide: [Mr. John Doe](#)

[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.

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 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 —*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).

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)
- Presented a review paper design of horizontal distillation column at ICT Mumbai for OYCE Competition. (2017)
- Attended an industry-academy programme at DAE Convention BARC (Bhabha Atomic Research Centre). (2017)
- Ranked 1st in stage 1 of Chemophilia organized by Azeotropy, IIT Bombay (2017)
- Awarded 1st prize for poster presentation on Science day. (2017)
- Participated in essay, quiz and debate competition held by office of Deputy Commissioner of central GST (2017)
- Team Leader in IICDC (Indian Innovation Challenge Design Contest) for development of SMART Helmet. (2017)

SKILLS

Technical	MS-office, AutoCAD, Scilib, Python, DWSIM, Aspen Hysys, MS-office, AutoCAD, Scilib, Python, DWSIM, Aspen Hysys,
Soft	Leadership, Communication, Decision Making, Social Skills, Time Management,
Hobbies	Playing Piano, Listening Music, Online Surfing, Shopping, Trekking, Reading Books,
Talents	Stand-up Comedy, Negotiation, Event Anchoring, Bargaining, Fancy Dress Competition,

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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EXTRACURRICULARS

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