

SANCHIT .S. GOYAL

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SUMMARY

- B.E in Chemical Engineering, Dwarkadas .J. Sanghavi College of engineering, Batch of 2014-2018.
- Have worked with simulation software's like COCO simulator, DWSIM and HTRI.
- Pursued Courses in coding languages like C , Java , SciLab; industrial simulators like ASPEN plus;

ACADEMICS.

Level	Board	School	Score
U.G	B.E	D J Sanghavi college of engineering	7.8/10
XII (Science)	Maharashtra HSC	Yashodham Junior College , Mumbai	83%
X (Science)	ICSE	Gokuldhham High School, Mumbai	89%

INTERNSHIPS

- **Eastern petroleum Pvt Ltd, Panvel** *July 2018*
 - Worked as jr. ground Operation supervisor.
 - Learnt about pipeline identification, valve tagging and applied it on P&ID's.
 - Worked on effective design of equipment's like plate and frame press filter, distillation column and wet (caustic soda) scrubber.
- **Dorf Ketal, Mumbai** *June - July 2017*
 - Worked on catalytic conversion of plastic to petroleum.
 - Worked with Filtra Catalyst (Chiplun), performing HAZOP analysis over the plant.
 - Presented a report at the end of the internship.
- **ACE tutorial, Mumbai** *April 2013 - March 2015*
 - Worked as an assistant tutor for class X students.
 - Handled a batch of 10 students

PROJECTS

- **Water purification using ZEEWEED membrane technology** *October 2015*
 - Presented a technical poster at event, Green India- A role of Chemical Engineer.
 - Compared with conventional water purification technique at Bhandup water treatment plant.
- **Simulation of Ammonia Loop synthesis using COCO simulator** *June 2017-May 2018*
 - Energy optimized the flow sheet for loop synthesis for a better conversion of ammonia, making it an energy efficient plant.
 - Modelled plug flow reactor (PFR) on SciLab using thermodynamic parameters.
 - Published in International Journal of Chemical Engineering Research (IJCER), vol.5 issue 2
- **Conversion of plastic to fuel (P2F)** *June2016 - February 2017*
 - Suggested a flow sheet with vacuum distillation tower for better separation of fuel.
 - Presented a technical poster on the same in CHEMTECH, 2017, Mumbai.
 - Presented a technical paper at Chemergence, 2016 (TSEC).

RESPONSIBILITIES HELD

- **Coordinator – Indian Development Fund** *January 2016 – December 2016*
 - Organized a newspaper collection drive and the funds were used to educate children of our society.

- **Event's Head – Outstanding Young Chemical Engineers (OYCE)** *January 2015 – March 2015*
 - Arranged everything required for a successful completion of the event.
 - Worked with a team of 5 members.

SKILLS

- Graphic Designing Tools that includes Photoshop (Basics) , AUTO-CAD (basics)
- Simulating Tools that includes COCO, ASPEN plus, HTRI.
- Miscellaneous tools such as Microsoft office, HTML.