**Sanket Pandit**



**Email:** **panditsanket29@gmail.com**

**Mobile:** +91-7021363175

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| **Career Objective:** Seeking an opportunity in a reputed organisation which recognizes and utilizes my potential to leverage my basic understanding of chemical engineering to become a fundamentally sound and magnetic professional.  |  |
| **Education:** |
| **Qualification** | **School/College** | **Year of Passing** | **Percentage/ CGPA** | **Board/ University** |
| B.Tech Chemical Engineering | Vellore Institute of Technology, Vellore | 2018 | 8.38/10 (CGPA) | Vellore Institute of Technology |
| 12th | SVPT’s Saraswati Vidyalaya | 2014 | 84.4% | Maharashtra State Board |
| 10th | VPM’s Sau. A. K. Joshi Eng. Med. School | 2012 | 93.09% | Maharashtra State Board  |

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| **Software/ Simulation skills:**  |

* **Tools learnt:** Aspen plus, Aspen Dynamics, Unisim, SolidWorks, MS Office
* **Programming:** basic knowledge of MATLAB

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| **Research Activities and Academic Projects:**  |

* **Performance Investigation of Dividing Wall Reactive Distillation Column with Vapor Recompression in Formic Acid Production Process**

Simulation of the patented process and further process intensification using Aspen Plus v8.8(paper published in “Chemical Engineering and Processing: Process Intensification”).(<https://doi.org/10.1016/j.cep.2017.11.016>) *September 2016 – March 2017** **In situ ultrasonication aided biodiesel production from microalgae.**

A Department of Science and Technology, Government of India (DST) funded project to improve the biodiesel production process from algal biomass using ultrasonication. *January 2018– April 2018** **In situ ultrasonication aided biodiesel production.**

Final year project under **prof. Dipesh Patle** to improve the biodiesel production methods from castor oil via ultrasonication. *December 2017 – January 2018** **Plantwide Control of Formic Acid Production Process**

Simulation based plantwide control of the above mentioned Formic Acid process using a heuristic approach under the guidance of **prof. Dipesh Patle**. *January 2017 – March 2018** **Simulation and Control of CSTR in Formic Acid Production Process using Aspen Plus.**

As a partof the course “Process Instrumentation and Control” under the guidance of **Prof. Dipesh S. Patle**. *August 2016-November 2016** **Simulation system for Phthalic Anhydride production using Aspen Plus**

As a part of the course “Petrochemical Technology” under the guidance of **Prof. Dipesh S. Patle**.*August 2016 – November 2016*

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| **Industrial Training/ Workshops:** |

* Vocational Trainee at **Reliance Industries Ltd. (Dahej Manufacturing Division) (RIL-DMD)**. In addition to the basic plant overview, successfully completed a project suggesting improvements and optimization of energy consumption resulting in lower working costs in the process PET-3.
* Attended workshop on Process Simulation using Aspen plus conducted by SCALE, VIT University.

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| **Courses of Interest:** |

* Modelling and Simulation, Mass Transfer, Process Technology, Process Control and Process Plant Economics

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| **Achievements:** |

* Received an **Achiever Certificate** from **VIT University** for participation and achievements in various competitions as well as technical paper presentations in various conferences for the Academic Year 2016-17.
* Obtained **Best Student Project Award** on VITAA Day 2017.
* **Co-authored a technical paper** presented in the 69th Annual Session of Indian Institute of Chemical Engineers held at AC Tech., Anna University, Chennai.
* Received **Certificate of Merit** by **National Chemical Engineering symposium**, TKM College, Kerala.

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| **Extra-curricular Activities:** |

* **Won** awards (Best delegate, High Commendation and Special Mention) in **all the Model United Nations (MUN) conferences participated in** (VITMUN’14, JNTUH’16, YLGC’16 and VITMUN’17).
* **Member** of and participated in a week long Special Camp conducted by **NSS-VIT (National Service Scheme)**.
* **Organiser** of **graVITas 2017** (Annual Technical Festival of VIT).
* **Student Co-ordinator** and **Student Volunteer** of **graVITas 2016** and **graVITas 2015** respectively.
* **Deputy Operations Officer** for **Spartans’ Association of Youth** (NPO) from October, 2015 – February, 2016.
* **Deputy Marketing Officer** for **Spartans’ Association of Youth** (NPO) from September, 2015 – February, 2016.
* **Core Committee Member** of clubs and chapters like VIT Spartans, Debate Society VIT and Uddeshya VIT.

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| **Personal Information:** |

**Date of Birth :** 29/08/1996**Nationality :** Indian **Blood Group :** B+ve**Hobbies :** Reading social philosophy and non-fiction, watching political and biographical dramas, movies and TV series, watching Oxford Union debates, Ted talks and following cricket.**Languages known:** English, Hindi, Marathi, Gujarati, German (Basic).  |