Balusu Susritha

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| **ACADEMIC DETAILS** | | | | | |
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| COURSE | COURSE/SPECIALIZATION | INSTITUTE/COLLEGE | BOARD | %/CGPA | YEAR |
| B.E | CHEMICAL ENGINEERING | BIRLA INSTITUTE OF TECHNOLOGY AND SCIENCE | BITS | 6.97 | 2019 |
| XII | SCIENCE | SRI CHAITANYA JUNIOR COLLEGE | STATE | 95.8 | 2015 |
| X | GENERAL | DR. KKR’s GOWTHAM SCHOOL | STATE | 9.8 | 2013 |

| **ELECTIVES /TECHNICAL PROFICIENCY** |
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| **Electives** - Process equipment design, Chemical Process technology, Petroleum refining technology, and Green chemistry  **Technical Proficiency** - Working skills in MS Office Suite, MATLAB, Polymath, Aspen Plus and COMSOL Multiphysics |

| **SUMMER INTERNSHIP/WORK EXPERIENCE** |
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| **DATA M Intelligence - Summer Associative (Market Research) Jan 2019 - June 2019**   * A detailed research of Europe commercial vehicles market is done as requested by the client. * It includes prioritizing market and consumer groups including regulations in 6 countries. * Worked on report description, competitive analysis, and company profiles.   **CSIR-IICT Hyderabad - Research Intern May 2018 - July 2018**   * Worked on hollow fiber membranes and gas separation equipment. * Flat sheet membranes were casted using Immersion precipitation method.   **Rajashree Cements Limited, Malkhed - Summer Intern**  **May 2017 - July 2017**   * Gained knowledge about cement industry and studied about NOX emissions * Flow measurements are taken and balances are done. * Temperature profile is estimated from the data. |

| **PROJECTS** |
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| **Design of spray dryer - DOP Jan 2018 - May 2018**   * The project involves NH4Cl slurry feed introduced into a spray dryer for drying. * Drying characteristics, pattern of drying gas flow, transfer of media and particle size distribution are observed and understood.   **3D Bio Scaffolds and Bio-printing Jan 2018 - May 2018**   * A study to see different bio inks and their compatibilities and the direction it could drive the human race.   **Submerged fermentation - LOP Aug 2017 - Dec 2017**   * Production of hydrolytic enzymes particularly pectinases from aqueous citrus waste to find the optimum dilution. * We have observed how incubation time, inoculums size, process conditions, addition of carbon and nitrogen compounds influence the biosynthesis of pectinase.   **Blast furnace reduction Jan 2017 - May 2017**   * A study to review the effects on the environment with the different grades of coal used. |

| **POSITION OF RESPONSIBILITY** |
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| **Student volunteer –** Annual technical Meetingof **Indian Institute of Metals November 2017**  **Student volunteer –** Review Meeting**, Department of Science and Technology April 2017**  **Coordination Committee member – Chemical Engineering Associate August 2015 – November 2017**  **Senior Creative Associate – Department of Creative Works August 2015 – April 2017**  **Student volunteer – Abhigyaan August 2015 – April 2016** |

| **EXTRA CURRICULAR ACTIVITIES** |
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| Badminton, Yoga, and Jogging. |

| **LANGUAGES KNOWN** |
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| Telugu, English, and Hindi. |

I hereby declare that all the details mentioned above are true as per my knowledge and I hold the responsibility in any other case.

Place: Vijayawada Signature:

Date: 23-04-2022 Susritha Balusu