

Rishi Rajan

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OBJECTIVE

A passionate undergraduate student working towards the completion of B. Tech Chemical Engineering at Rajalakshmi Engineering College, Chennai. Seeking a competitive and challenging environment to acquire knowledge on the latest trends in technology.

EDUCATION

Rajalakshmi Engineering College, Anna University, Chennai (2017- present)

B. Tech Chemical Engineering CGPA: 8.76

Shri Krishnaswamy matric hr sec school, Chennai

Standard 12 **Percentage:** 90%
Standard 10 **Percentage:** 93%

INTERNSHIPS/ INDUSTRIAL EXPERIENCES

- Madras Fertilizers Ltd, Manali, Chennai** (January 2021 to March 2021)
Guide-Mr. Mohan Raj, Asst. Manager Process Engineering, MFL, Chennai.
Title: Design of rotary drum granulator and the granulation circuit for production of 1475 MTD of urea granules at Madras Fertilizers Ltd.
- Caplin Steriles Ltd, Chennai, India** -Internship(December 2020 to January 2021)
- Cetex Petrochemicals Ltd, Chennai, India**
- DS Techno Rubbers (P) Ltd., Chennai, India** (December 3, 2018 to December 8, 2018)
- Indian Institute of Chemical Engineers- Online Internship program on Petroleum Refinery Engineering.**

PROJECT AND RESEARCH EXPERIENCE

Research Guide: Dr G Vijayaraghavan, Assistant Professor (SS), Department of Chemical Engineering, Rajalakshmi Engineering College, Chennai

- Title:** Selective Removal of Iron (II) and Manganese (II) Ions from Ground Water with Modified Aloe Vera (L.) for Treatment of the Ion-Contaminated Water by Ion Exchange Process (January 2018 to September 2020)
- Title:** Preparation of Black Lyophilic Ink Using the Carbon Soot Emitted by Vehicles (November 2018 to April 2020)
- Title:** Statistical Analysis On the Ball Point Pen Use Based On Age Groups, Professions and Its Impact On the Environment (January 2018 to July 2020)

PUBLICATIONS

Gopal, V., Venkataraman, A., Babu, L., **Rishi, R.** Preparation of black lyophilic ink using the carbon soot emitted by vehicles. *Environ Sci Pollut Res* (2020). <https://doi.org/10.1007/s11356-020-09329-4>

WORKSHOPS AND CONFERENCE

- DWSIM Online Workshop Conducted by IIT Bombay, August 2020
- Sophisticated instrumentation workshop: Anna University, Chennai, February 2020
- Presented a paper in the conference on Recent Advancements in chemical, Energy and Environmental Engineering (RACEEE 2020), conducted by SSN college of Engineering, February 2020
- Presented a poster at 72nd Annual session of Indian Institute of Chemical Engineers CHEMCON 2019 held at Indian Institute of Technology, New Delhi during, December 2019
- Best Oral Presentation Award at 15th Annual Session of Students' Chemical Engineering Congress organized by Shroff S. R. Rotary Institute of Chemical Technology, Ankleshwar, Gujarat, October 2019
- Process simulation using Aspen Plus:** SRM Institute of science and technology, March 2019
- Presented paper at Recent trends in Chemical, Energy and Environmental Engineering conducted by SSN College of Engineering, August 2018
- Solar PV system Workshop conducted at IITM Research Park, July 2018
- Kaizen Internet of Things Workshop conducted at IITM Research Park, March 2018

AWARDS

- **Television Interview:** Interviewed by the Makkal Television channel regarding my research project, telecasted on *March 1, 2020*
- **Poster Presentation:** Group project selected as one among the forty posters presented at India's leading chemical engineering event, Chemical Engineers Conference 2019 (Chemcon-19), held at the Indian Institute of Technology (IIT), Delhi, *December 2019*
- **Best Oral Presentation Award:** in 15th session of Students Chemical Engineering Congress, at Shroff SR Rotary Institute of Chemical Technology, Ankleshwar, Gujarat, *October 2019*
- **Best Oral Presentation Award:** in catalyst event of Invente4.0 conducted by SSN College of Engineering on 13-14, September 2019.
- **Best Paper Award:** in Chemfluence-19, conducted by Anna University, Chennai, *March 2019*
- **Professor V.N. Srinivasan Memorial Award:** for two consecutive years (most innovative project), by Rajalakshmi Engineering College, Chennai, *March 2019*

SKILLS AND COURSES

Engineering

Thermodynamics, Fluid Mechanics, Heat Transfer, Mass Transfer Operations, Chemical Reaction Engg

Programming and Modelling

Python, MS Excel, MySQL, Basics in Matlab , DWSIM and ASPEN Plus