

PRIYA RAJEEV

Chemical Process Engineer

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OBJECTIVE

A flexible and motivated person, with one-year work experience, seeking a career in the field of Chemical & Process Engineering where I can design and optimize Chemical processes, ensuring product quality and safety, further enhance my skills and contribute towards the growth of organization, which would in turn my professional stature; both, mutually exclusive. To work in a challenging and dynamic environment as an active full-time employee to improve my knowledge and skills in an efficient manner to be an asset to the establishment.

EDUCATION

2016-2020

B-Tech (Honours), in Chemical Engineering,

A P J Abdul Kalam Technological University

India

CGPA: 8.61/10

2014-2016

Class 12th, AISSCE,

Chinmaya Vidyalaya, Chengannur, Kerala, India

Grade: 87.2%

2013-2014

Class 10th, AISSE

Chinmaya Vidyalaya, Chengannur, Kerala, India

CGPA: 9.8/10

EXPERIENCE

Production, QA QC Engineer

(November 2021 – Present)

Oscar Lubricants LLC, United Arab Emirates

- Controlling a fully automated lubricant manufacturing plant using PLC and SCADA systems ensuring complete safety.
- Advanced knowledge of formulations in lubricants variants.
- Managing the production of lubricants; petrol, diesel, hydraulic fluids, ATF, MTF, gear oils, adhering to SAE, ACEA, ILSAC, API grades.
- Production planning, scheduling and overall monitoring of all processes from raw material checking to final finished good quality inspection.
- Co-ordinating with sales, logistics, purchase, store and laboratory for the efficient production.
- Participating in product development through validation of process and R&D of different formulations for evolving new product ranges.
- In-depth knowledge with hand-on experience in testing various lubricant parameters such as Kinematic viscosity, Pour point, flashpoint, Total Base number, CCS, Foaming, density, Water Separability obeying ASTM standards and ensures to provide the best quality products to customers.
- Monitoring base oil and additive stock inventory, COA and blending instruction preparations.

Chemical Process Engineer

Haridev Formulations, Kerala, India

(October 2020 – September 2021)

- Knowledge on efficient operation of distillation unit, specialized dryers, extractors and encapsulating equipment.
- Managing product yield, meeting specifications, comply with environmental regulations, adhering to safety norms.
- Familiarized with review, inspection and loop checking of lines and process equipment.
- Gained operational skills in Startup /Shut down procedures, attending critical emergencies like steam failure, cooling water failure and troubleshooting.

TECHNICAL SKILLS

- Line sizing for Liquids & Gases & Pressure drop calculations
- Air Moisture Separator Calculations as per GPSA
- Control Valves Sizing & Calculations
- Breather Valves & Venting requirements as per API 2000
- PSV/PRV/RD, Pressure Setting Criteria & Relief events
- Equipment Process Datasheet, Instrument Process Datasheet
- Types of Valves & Applications
- Piping Line List
- Pump Calculations Sizing & Datasheet
- Design of Heat Exchangers & Cooling Tower
- Design & Classification of Storage Tanks
- Introduction to BFD, PFD, UFD, P&ID
- Hazardous Area Classifications (HAC)
- Relevant Codes & Standards used in Chemical & Process Industry

ACADEMIC PROJECT & SEMINAR

Beneficial Utilisation and Eradication of Water Hyacinth (B.Tech Pre-final year project)

- The project was aimed to eliminate water hyacinth in water bodies and production of paper out of it.
- Studied about the efficiency of tuxying technique for separation of pith from water hyacinth.
- Experimental study about the amount of lignin, cellulose, and hemicellulose in water hyacinth.
- Production of low-cost paper from water hyacinth.

Simulation of Wastewater treatment plant (B.Tech Final year project)

- Aimed to reduce the pollutants in the effluent of wastewater using software STOAT.
- The best plant layout was designed in order to fit the effluent character of discharging stream within the allowable limit.
- Various models were analysed and prepared cost estimation.

Seminar on 'Graphene in Solar Cells'

- Conducted a study to improve the efficiency of solar cells.
- Evaluated different parameters as a function of number of graphene layers.
- Studied about improving the efficiency of solar cells by doping.
- The need for greener fuels has been realized.

IN-PLANT TRAINING

June 2017 (5 days)
Travancore Cochin Chemicals, Kochi, Kerala

June 2019 (8 days)
Panoli Intermediates India Pvt Ltd, Vadodara, Gujarat

ADDITIONAL SKILLS AND QUALIFICATIONS

- **Technical Skills**
- **Interpersonal Skills**

Accreditations/Certifications

- Graduated BTECH with **Honours Award**.
- Secured **Principal's Honours** and **Manager's Honours Award**.
- '**Process Design Engineering**' course at SB Technologies, Mumbai.
- Certified for '**Waste to Energy Conversion**' from NPTEL.
- Certified for '**Advanced Excel**' from Internshala.
- Attended workshop on **ASPEN PLUS** and **MATLAB** at NIT Calicut.

IT Skills

- Proficient in MATLAB, ASPEN- HYSYS, HTRI, FLARENET.
- Sound expertise in MS Office, Photoshop and MS excel.

PERSONAL DETAILS

- Date of Birth : 19th May 1998
- Languages : English, Hindi, Malayalam and Tamil.
- Passport : U2760202

DECLARATION

I hereby declare the above furnished are true to the best of my knowledge and belief.

Date:

Place:

PRIYA RAJEEV