

Vignesh Ondiveeran Rajendran

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EDUCATION

Kaunas University of Technology

M.Sc. Environmental Engineering

Kaunas, Lithuania

Sep 2018 - June 2020

Anna University

B.Tech Chemical Engineering

Chennai, India

Aug 2010 - June 2014

WORK EXPERIENCE

Chempure Technology Pvt Ltd

Shift Engineer

Chennai, India

Oct 2022 - Present

- Responsible for managing effluent treated water at Chennai Petroleum Corporation Ltd., overseeing operation and maintenance of the water treatment and distribution systems while serving as responsible In Charge of assigned shift and reports to a Plant Superintendent.
- Hands on experience with laboratory analysis, including pH, sulphur, ammonia, oil and grease, colour, hardness levels, turbidity and alkalinity, BOD, COD, and determines proper corrective measures to run the plant based on test results.
- Working closely with operators, technicians and all plant supervisors to diagnose operation and production problems.
- Performing administrative functions including maintaining detailed records and reports, ordering and receiving chemicals, assisting with scheduling and preparation of time sheets.
- Making sure the team members are familiar with safety, operations and maintenance of the plant.
- Attending monthly safety meeting to gain safety knowledge of occupational hazards, safety precautions, and safety regulations related to equipment operation, and other work related precautions.

Advanced Nanotechnologies S.L

R&D Engineer

Barcelona, Spain

Nov 2020 - Sep 2022

- Experience on development and formulation of industrial post process liquid.
- Developed a prototype for recycling post process liquid using carbon assisted ozonation.
- Practical experience in analytical equipment's, sampling, and collection of data to determine the physical, chemical and biological components.
- Assisted in developing a prototype for two new experimental reactors for sputtering and fluorine free thin film coating through vacuum based plasma polymerization.
- Operating plasma-based thin film coating vacuum reactor (CVD, PVD, and ALD) for sample production, quality checking, and material characterisation, investigating faults and preparing reports.
- Knowledge of common industrial processes and testing protocols for thin film coatings Characterization of product sample's functionality properties through different methods (fog test, rub test, confocal microscopy surface analysis, step measurement)
- Assisting in managing bill of materials, making purchase order, and collecting quotation from different companies for new projects.
- Executing effective activities on the project in an efficient way given by the R&D manager.

Bumsa Inc
Recruiter

Chennai, India
Jan 2018 - May 2018

- Evaluation of applicant credentials, and conducting initial interviews and pre-screening assessments, keeping abreast of employment laws and regulations. Updating company databases by inputting new employee contact information and employment details.

Vision Engineering Pvt Ltd
Service Engineer

Chennai, India
May 2017 - Nov 2017

- Operated clarifier plant by maintaining parameters with no discharge violation, increase in unit efficiency, planning, coordinating, and executing work in a timely, safe, and cost-effective manner.
- Taking water samples and test for parameters, analysed, troubleshoot, and diagnosed problems and provided prompt repair and solutions.
- Worked cross-functionally within the organization and external partners, integrators, and vendors.

PROJECT EXPERIENCE

Advanced Nanotechnologies S.L
R&D Engineer

Barcelona, Spain
Nov 2020 - Sep 2022

- Conceptualized and engineered a prototype to recycle and reuse post process liquid offering a potential cost-savings for the company.

Kaunas University of Technology
Master thesis

Kaunas, Lithuania
Jun 2019 - Jun 2020

- Master's Thesis on the removal of methyl blue from aqueous media by activated carbon sorption, ozonation, and carbon assisted ozonation.
- Eco-entrepreneurship Project on lithium-ion batteries recycling using fungi.

SKILLS & INTERESTS

Skills

Water treatment, PVD, CVD, SAP, Laboratory analysis, Supervising, product management, Digital marketing.