APARNA VIJAYAN

PROFILE

Determined Chemical Engineer with experience and expertise in the field possessing excellent interpersonal skills. Able to work in a fast-paced environment contributing the best of knowledge and efforts for the successful establishment of the goals and completion of the project meeting standards and deadline. Known as a resourceful team player with professionalism and integrity to gather respect and knowledge.

PHONE:
7561897594,9447125428
EMAIL:
fumaparna@gmail.com

LINKEDIN:
linkedin.com/in/aparna-vijayan-813a5285

SKILL SET

- Hands-on & Technical knowledge
- Research & data interpretation
- Pilot plant study and lab
- Technical writing & communication
- Computational fluid dynamics
- Troubleshooting and revision
- Leadership & Interpersonal skills
- Mentoring and business strategy

SOFT SKILLS

- Ansys Fluent
- MS Office
- Tec plot
- Matlab (basic)

HOBBIES AND INTERESTS

- Freelance content writing
- Singing
- Dancing
- Reading

WORK EXPERIENCE

LMD Associate
Repos Energy Private Limited, Pune, Maharashtra
2020–Present

- Mid management role monitoring the stages of the Mobile petrol pump post order booking that includes work order release and technical constraints, monitoring production status, timely dispatch, commissioning licensing, and monetization of the same.
- Documentation concerning the details of the infrastructure, daily report submission, dashboards, monetization plans, client management, and customer experience
- Monitoring the Fuelent registration for doorstep diesel delivery and EOI submission.

Graduate Apprentice Trainee
Kerala Minerals and Metals Ltd, Chavara, Kollam
2015–2016

- Had undergone training in different sections of the company comprising of five major plants and its subsidiaries, R&D and Plant Technical Service.
- Involved in R&D projects such as pigment quality improvement study for different titanium grade (durability, dispersion ability, photocatalytic activity, spectrophotometric study, particle size, etc.), New hydrophobic grade development for plastic applications, and new product development such as aqueous pigment slurry.
- Involved in pilot plant trials, technical calculations, and lab-scale analysis of titanium

Internship
Tuticorin Thermal Power plant (TANGEDCO)
2013-2013

- Undergone in-plant training in the plant (Demineralization section), got acquainted with the relevant aspects of power generation from coal, lab-scale analysis of coal, treatment of water, and boiler duty.

EDUCATION

M Tech Chemical Engineering
National Institute of Technology, Rourkela
2018 -2020; CGPA - 8.69/10 (Silver Medal Recipient- Batch topper)

PG Thesis: Study of fluid flow and heat transfer in a lid-driven enclosure having power-law fluid and heated obstacle (CFD)

CFD simulation on Ansys 14 for lid-driven tall cavity subjected to different aspect ratios and corrugation frequency with a heated obstacle at the geometric center. The flow physics, the effect of parameters, and the convection nature were inferred

ACCOMPLISHMENTS

- Best Student Awardee IE (I)
- Silver Medal Recipient in Post-Graduation
- Gold Medalist in Graduation
- Awards for singing and other extracurricular activities

B Tech Chemical Engineering
Anna University, Tamil Nadu
2011 -2015; CGPA – 9.42/10 (Gold Medal Recipient - University topper)

UG Thesis: Effective Abatement of Textile Effluent Using Low-Cost Polymer Ceramic Membrane Matrix **(Membrane Science)**

Preparation and characterization of an asymmetric polymeric ceramic membrane module, the pre- post-analysis of textile effluent to research the effectiveness of the prototype

TECHNICAL WORKS & PUBLICATIONS

- Published the paper 'Mixed convection characteristics in a tall lid-driven cavity containing triangular heat source for non-Newtonian power-law fluids: A numerical study' in International journal of thermal analysis and calorimetry under the supervision of Dr. Krunal M Gangawane

- Published paper 'Effective Abatement of Textile Effluent using Nano Porous Ceramic Membrane 'in the International Journal of Applied Engineering Research (IJAER) with Dr. G Arthanareeswaran, R Uma Priya, and S. Manisha Vidyavathy

- Published the paper 'Preparation and characterization of low cost mixed matrix membrane for wastewater treatment 'in the Journal of Chemical and Pharmaceutical Research, 2015, 7 (10s): 178-186 with Dr. G Arthanareeswaran, R Umapriya, and S Manisha Vidyavathy

- Undertaken thermal insulation calculations for Elite insulations Bangalore and assisted in Journal reviews and documentation