

SIDHARTH R

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CAREER OBJECTIVE:

To pursue a challenging role in the field of chemical engineering where I can apply my academic knowledge, analytical skills, and passion for innovation to solve real-world problems. I aspire to contribute to sustainable and efficient processes while gaining hands-on experience and enhancing my expertise in the industry. Additionally, I aim to collaborate on projects that drive technological advancements and positively impact society.

EDUCATIONAL QUALIFICATION:

Course	Institution	Year of Passing	GPA/Mark % Scored
B Tech (Chemical Engineering)	Rajalakshmi Engineering College	2025	8.3
HSC	Kendriya Vidyalaya No1, AFS Tambaram	2021	95.4%
SSLC	Kendriya Vidyalaya No1, AFS Tambaram	2019	91%

WORK EXPERIENCE:

Anchemco India Private Ltd. – Quality Engineer

MAY'25-AUG'25

- AdBlue/DEF Production Process (ISO 22241 compliance).
- Quality Assurance & Quality Control (QA/QC).
- Water Treatment & Purification (RO, Demineralization).
- Analytical Testing, Instrument Calibration & Validation .
- Supplier Quality Audit & Internal Quality Audit.
- Batch Record Review & Regulatory Documentation.
- Chemical Handling & Safety Compliance.
- Cross-functional Team Coordination & Training.

INTERNSHIPS:

CHENNAI PETROLEUM CORPORATION LIMITED

February-2023

- Gained extensive knowledge about Crude Distillation Unit Process.
- Learned about the various unit operations in a petroleum industry.
- Gained Technical skills and knowledge about process engineering environment

- Gained technical knowledge in the field of polymer production industry.
- Learned principles of process safety to ensure compliance with industry standards.
- Gained Technical skills on Process control operations and Quality control.

TRAINING AND WORKSHOPS:

- Attended a workshop on Aspen Plus Software at SRM university.
- Attended a training program on Advanced Process Control at Anna University.
- Attended a workshop on HOMER PRO software at Rajalakshmi Engineering College.
- Attended UIMAGINE TN Global Conference.

TECHNICAL SKILLS:

- Aspen Plus.
- MATLAB.
- COMSOL Multiphysics.
- Microsoft Excel.
- Programming: Python, C.
- Quality Control & Assurance.

CERTIFICATIONS:

- Chemical Process Safety.
- Chemical Process Hazards Analysis.
- Aspen Plus.
- Introduction to RPA and Automation.

PROJECT:**Dye degradation using Metallic Organic Framework based catalyst**

- The study focuses on dye degradation using metal-organic framework (MOF)-based photocatalyst, which is prepared by hydrothermal method using industrial waste biomass.
- The process aims to enhance the degradation efficiency by optimizing various process parameters, such as light source, catalyst composition, and reaction conditions using response surface methodology (RSM).

Sustainable utilization of ash from coal based thermal power plant.

- Utilized ash sustainably also designed it as an adsorbent and enhanced its adsorbent capacity by chemical treatments.
- This ash adsorbent is used to remove dye from the textile industries.

PERSONAL SKILLS:

- Resilience.
- Time Management.
- Loyalty.
- Decision making.
- Problem solving.

AWARDS/ACHIEVEMENT:

- RAJYAPURASKAR in Scouts.
- Selected Participant, Internal Round – SMART INDIA HACKATHON 2024.
- Black belt in KARATE.

EXTRA CURRICULAR ACTIVITIES:

- Event organizer of National level technical symposium-DIFFUSA in Rajalakshmi College of Engineering.
- Student member-IICHE.
- Scouts (Rajyapuraskar level).

HOBBIES/INTERESTS:

- Love watching Anime.
- Gardening.

PERSONAL PROFILE:

NAME	Sidharth R
DATE OF BIRTH	01-09-2003
LANGUAGES KNOWN	English, Tamil, Hindi, Malayalam
PERMANENT ADDRESS	Raghava apartments, s2,107, ALS Nagar,3 rd cross street, Madambakkam, Chennai.