

# MOHAMMED JASSIM

## APPLICATION ENGINEER

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VISA: Permanent Residence Visa with NOC.

DRIVING LICENSE: Automatic.



### SUMMARY:

A dedicated and result driven candidate who is exploring new opportunities to develop myself into a competent professional in sustainable environment. I graduated with a first-class honor in **Petrochemical Engineering** in 2021. Additionally, I hold a **NEBOSH** International General Certificate in Occupational Health Safety and Environment. Strong Technical and Practical skills in Engineering with focus on implementing and maintaining OHSE protocols and regulations to ensure a safe and healthy working environment for all members. I'm always open to learn and become proficient and already started learning industrial software's like Aspen hysys, DWSIM etc. Excellent knowledge on boilers, cooling systems, reverse osmosis.

### INTERNSHIP:

#### **THE FERTILISERS AND CHEMICALS TRAVANCORE LIMITED (FACT).**

- Gained hands on experience in chemical manufacturing environment, learning about the production process and quality control measures of products like UREA, AMMONIUM SULPHATE, and CAPROLACTUM.
- Assisted in monitoring equipment performance and troubleshooting operational issues.
- Developed an understanding of safety protocols and risk assessment in an industrial setting.
- Maintained effective communication and positive relationship with peers and senior engineers, seeking and receiving guidance for the assigned tasks.
- Observed loading of the ammonia to the ammonium tank from the carrier ship.
- Observed plant equipments and maintenance activities of flash drum.
- Supported the implementation of waste minimization initiatives for reducing waste production.

#### **PHILIPS CARBON BLACK LIMITED.**

- Participated in process optimization projects of tire manufacturing, focusing on improving efficiency and product quality.
- Collaborated with engineering team to analyze data, identify areas for improvement and implement solutions.
- Assisted in maintenance of fire extinguisher.
- Assisted in the coordination of emergency response drills, gaining practical experience in crisis management.

### ACADEMIC PROJECT:

#### **PRODUCTION OF HYDROGEN PEROXIDE FROM METHANOL BY ENZYMATIC CONVERSION.**

- Designed and executed a project on Production of Hydrogen peroxide from Methanol by Enzymatic Conversion.
- Conducted experiments, collected and analyzed data and evaluated the feasibility and efficiency of the process.
- Effectively managed and prioritized the assigned task to complete on time.
- Collaborated with peers to analyze and solve problems in the production process.
- Used MS OFFICE for preparing, presenting and data calculations of the project.

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## **SKILLS:**

- Demonstrated proficiency in Hazard identification, risk management, incident reporting, and emergency response through academic projects and practical experiences.
- Familiarity with waste minimization, pollution prevention, and control principles.
- Technical and practical engineering skills.
- Critical information seeking and communication skills with the ability to adapt to local standards and regulatory requirements.
- Knowledge in some industrial software's like MS OFFICE, **ASPEN HYSYS**, DWSIM...
- Ability to adapt to multicultural work environment.

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## **EDUCATION:**

### **B.E. PETROCHEMICAL ENGINEERING**

ANNA UNIVERSITY, TAMILNADU, INDIA (2017-2021).

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## **CERTIFICATION:**

**NEBOSH IGC.** (4-17-2023)

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## **TRAINING:**

Relevant field training on:

- **Scaffold safety:** Successfully completed training in scaffold safety, demonstrating expertise in safe scaffold erection and usage.
- **Confined space safety:** Attained proficiency in confined space safety through specialized training, ensuring safe working practices in confined spaces.
- **Risk assessment and hazard identification:** Completed training in Risk assessment and hazard identification, contributing to a proactive approach to workplace safety.
- **Introduction to environmental awareness:** Acquired knowledge in Environmental awareness, emphasizing sustainable practices and compliance with environmental standards.
- **Accident investigation:** Completed training in accident investigation, gaining skills in analyzing incidents and implementing preventive measures.
- **Offshore oil and gas introduction:** Attained specialized knowledge in offshore oil and gas operations, focusing on safety protocols in offshore environment.
- **Fall protection for construction:** Successfully completed training in fall protection for construction, ensuring compliance with safety measures in construction settings.
- **Behavior based safety:** Completed comprehensive training in behavior-based safety, emphasizing proactive safety measures and employee engagement.