



**AKHIL JR**  
**SHARJAH, UAE**  
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### **Professional summery**

Manufacturing Engineering-Estimator-Industry Engineer details-orientated, with strong educational background in, supported by field research and professional work experience in.

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### **Skills**

- ✓ Semiconductor process systems
- ✓ Fluid mechanic
- ✓ Creative problem solving

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### **Educational details**

- ✓ **B.Tech Petro Chemical Technology 2017** from Anna university trichy, Tamil Nadu, India
- ✓ **Diploma in Chemical Engineering 2014**, from EICT polytechnic college,erode, Tamil Nadu, India.

- ✓ **Diploma in fire & Safety Engineering 2014**, from NCPT, pattom, Trivandram, kerala, India
  - ✓ **Diploma in computer application 2018**, comtas, Trivandrum, kerala, India
  - ✓ **HSC 2012**, from Holy Family Higher secondary School, Mukkuttukal, kanyakumari, Tamilnadu.
  - ✓ **SSLC 2010**, from Holy Family Higher secondary School, Mukkuttukal, kanyakumari, Tamilnadu.
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### **Work History**

**Tagros chemical India pvt ltd** (Jhaver Group Chennai, Tamilnadu)

**Designation: Field Operator in Offsite and Hydrogen Generation Plant**

**Duration:** July 2017 to September 2018

- ✓ Performed data analysis and provided recommendation to achieve
- ✓ Identified and solved electronic design problems, resulting in, more efficient and cost effective products

### **AL SENAN A/C UNITS FIX CONT SHARJA (UAE)**

**Designation: Supervisor (Blending)**

**Duration** : October 2019 to October 2021

### **AL NISER AL THABIC LUBRICANT IND & OIL (UAE)**

**Designation: Chemical Engineer**

**Duration.** : November 2021 To March 2023

### **Overall roles & Responsibilities**

- ✓ Involved in pre-commissioning and commissioning activities
- ✓ Whole process starting to ending works as per the procedures

- ✓ Make regular routine check of all equipment and units to ensure good operation and production planning management also.
  - ✓ Report all plant activities to the Production Manager
  - ✓ Taking all measures for maintaining Safety Standards, Good Housekeeping and Reliability of process equipment's etc.
  - ✓ Taking part in daily activities like Field rounds, stocks of packing materials and planned of reprocess materials.
  - ✓ Hands on experience of firefighting.
  - ✓ Ensuring safety and housekeeping compliance in work area.
  - ✓ Recording Data of Batch sheets, utility checklist, Startup and shutdown check list.
  - ✓ Operation supervision in grease unit.
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- ✓ I have good experience in HYDROGEN GENERATION UNIT plant (HGU) and Oil Movement & Storage tank (OM&S).
  - ✓ Process involves cracking of NAPHTHA feed to produce the HYDROGEN GAS based on Steam Reforming of Naphtha Process.
  - ✓ Handling storage tanks - Cryogenic storage tanks (DWST), Horton sphere, Internal & External floating tanks, dome & cone roof and Bullets to handle products like Naphtha, Ethane, Ethylene, Propane, Propylene, Butane, Butadiene, Pentane, Hydrogen Gas, etc.
  - ✓ Actively involved in Plant Start-ups and Shutdowns, routine / on-stream changeover of the Pumps, Compressor & Tanks etc. plant without violating SOP & safety procedures.
  - ✓ I am familiar with P&ID, PFD, ISO drawings, procedures, reports, log sheets and strong computer literate.
  - ✓ To operate the pipelines and terminals for Hydrocarbons. Performs product quality and measurement tasks including tank gauging & Bomb sample collection.
  - ✓ To collect the ETHYLENE from the Cryogenic tank & keep store under  $-101^{\circ}\text{C}$  through DWST (Double wall storage tank) with help of BOG compressor, chiller, etc.

- ✓ To store the BUTADINE under  $-4^{\circ}\text{C}$  through Sphere with help of Screw Compressor, Economizer & Chiller.
  - ✓ Operates and checks all activities & duties related to Waste Gas sent to FLARE and FLARING SYSTEM.
  - ✓ Work permit system handling like COMPLEMENTARY PERMITS, EXCAVATION PERMITS, HOT WORK, COLD WORK, & CONFINED SPACE ENTRY PERMITS for Reactors, Pressure Vessels, Columns & Tanks for maintenance preparation of lines for carrying out jobs etc.,
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### **Equipment involving in plant**

- ✓ All types of Pumps, Centrifugal, Screw & Reciprocating Compressors.
  - ✓ Naphtha Feed Treatment, Hydro Desulfurization, Reformer, Shift Conversion, Process Gas Cooler, PSA Hydrogen Purification System, etc.
  - ✓ SS & MS Reactor, Dryer, Furnace, Waste Heat Recovery & Flare.
  - ✓ Flash Drum, Heat Exchanger, Belt Conveyor, Bucket Elevator & Cyclone separator.
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- Knowledge in lubricant oil making and formulation
- Planning all activities for production, main maintenance ,pack packagematerial
- Boiler maintenance work
- Handling with All Type of Reactor and Helical and Storage Tanks.  
Knowledge in Plant startup and Shut down as per SOP.
- Knowledge in supply chain management.

### **Project work**

- ✓ Final year project has been done on the topic of MANUFACTURE OF NYLON 6  
In Anna University, BIT campus

✓ Project has been done on the topic of a STUDY ON THE MANUFACTURE OF BIO GAS FROM SUGER INDUSTRY WASTES in EICT polytechnic college

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**Technical Qualification**

- ✓ MS Office –E office (MS Windows, MS Word, MS Power point and MS excel)
- ✓ Designing brochures and posters

**Personal Information**

Date of Birth : 13 October1994  
Nationality : Indian  
Marital Status : Single  
Language : English, Hindi, Malayalam & Tamil

**Passport Details**

Passport No : R5337504  
Date of issue : 16/10/2017  
Date of Expiry : 15/10/2027  
Visa. : Visiting visa

**DECLARATION**

I hereby declare that all the above information provided by me is genuine and accurate to the best of my knowledge.

Date:

Place: SHARJAH

(AKHIL JR)