

# Anadi Jere

Chemical & Materials Process Engineer |CLSSGB| Seeking full time job opportunity in Process / Manufacturing Engineering

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## Summary

- Experience of working in oil and energy industry on designing of high pressure high temperature core flood system
  - Professional working proficiency on characterization techniques such as X-Ray diffractometer, Scanning Electron Microscopy, Raman Spectroscopy, Photo Luminescence, UV-Vis Spectroscopy, Fourier Transformed Infrared Spectroscopy, Chromatography
  - Hands on experience of synthesis and development of nanomaterials and semiconductor materials
  - Experience of inventory management, production and processing, project management, economic worth calculation, tax calculation
  - Professional working proficiency on economic worth calculation, tax calculation
  - Certified Lean Six Sigma Green Belt
  - Strong project management skills; recognized by peers and senior leadership for planning and organizational skills to manage tasks, schedules, priorities and budgets
  - Excellent communication skills, which include active listening and the ability to present complex ideas in concise written and verbal descriptions which are easily understood by both technical and non-technical audiences
  - Strong organizational skills with the ability to excel in a fast-paced, multi-tasking environment
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## Experience

### **Graduate Research Assistant at The University of Texas at Arlington**

October 2016 - Present

### **Chemical Process Engineer at Halliburton**

July 2014 - July 2015 (1 year)

Team member in Production Enhancement R & D group

- Designing of high pressure high temperature core flood apparatus for the study interaction of reservoir fluids and injection of fluids in reservoir media
- Results will be utilized to predict wormhole creation in carbonate rock formation
- In-Charge of ISO documentation; work includes keeping track record of all on-going and complete projects, employee training, equipment calibration record, Document Change Record (DCR), SOP etc.
- Presented ISO documents to committee for ISO certification

## **Materials and Process Engineer**

July 2013 - July 2014 (1 year)

Worked on project titled ' Synthesis and Characterization of Zinc Indium Sulfide using Microwave Method '

- Zinc Indium Sulfide semiconductor was synthesized at different temperatures and wattages using microwave reaction method
- Characterization of synthesized Zinc Indium Sulfide was carried out for its morphological, structural and phase compositional study
- X-Ray Diffraction (XRD), Field Emission Scanning Electron Microscopy (FESEM), Photo Luminescence (PL), Ultra Violet Visible (UV); analysis techniques were used
- Marigold flower like nanostructured semiconductor, having many petals was synthesized for the first time
- Photocatalytic activity of Zinc Indium Sulfide semiconductor was studied by hydrogen splitting experimentation under visible light irradiation

Software used : Origin 8

## **Summer Intern at Rashtriya Chemicals & Fertilizers Ltd.**

May 2013 - June 2013 (1 month)

- Audit of the production and the manufacturing of various chemical fertilizers
- Unit operations and unit processes study
- Comprehensive study of Ammonia and Urea synthesis processes, process control and instrumentation
- Surveyed different valves, boilers and heat exchangers used in synthesis process

## **Project Intern at Tata Chemicals**

January 2012 - July 2012 (6 months)

- Studied Vacuum Pure Salt plant, Chloro Caustic plant, Cement plant and Soda Ash plant in detail
- Comprehensive study of different types of valves, pumps, conveyor belts used in plant
- Attended safety meetings to understand safety practices used in plant
- Learned different manufacturing processes

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## Education

### **The University of Texas at Arlington**

Master's Degree, Materials Engineering, 2015 - 2016

### **University of Pune**

Bachelor's Degree, Chemical Engineering, 2010 - 2014

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## Honors and Awards

Gold Medal in Young Innovators Choice Competition, Poster Presentation Winner

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Contact Anadi on LinkedIn