

# ADITYA CHANDRAMOULI

+1-(352) 278-2551

<https://www.linkedin.com/in/aditya-chandramouli/>

[adityachandramouli994@gmail.com](mailto:adityachandramouli994@gmail.com)

502 Dickinson St, #102

Charleston, WV-25301, USA

---

## EDUCATION

### **Master of Science in Chemical Engineering**

*May 2017*

University of Florida, Gainesville, FL

GPA: **3.66/4.00**

### **Bachelor of Technology in Chemical Engineering**

*May 2015*

National Institute of Technology Tiruchirappalli (NITT), India

GPA: **8.64/10.00**

## WORK EXPERIENCE

### **Process Engineer, Elkview, WV**

*September 2017 – Present*

#### **Worley (Legacy Jacobs ECR)**

Worked on Specialty Chemical Projects for multiple customers such as:

**Chemours Steam System Improvement Project** - Process Lead for the FEL3, and detailed design phase of the project. Scope of the project was to replace existing coal-fired boilers with natural gas boilers.

**Chemours Demineralized Water Treatment Project** - Lead Process Engineer for a process water quality improvement project by installing Reverse Osmosis and Carbon Filtration Units.

**Iowa Fertilizer Company (IFCo) Ammonia Flare System Project** - Lead Process Engineer for a FEL3 project

Purpose of the project was to design a separator and associated systems to prevent liquid carryover to the flare.

Experienced in the following activities:

- Preparing P&IDs, PFDs and other process deliverables such as Process datasheets for equipment and instruments
- Performing Heat and Material Balances and preparing line lists, equipment lists, and tie in lists
- Sizing pressure relief devices and preparing PRD records for plant documentation
- Modelling systems and unit operations, and performing hydraulic and pressure drop calculations using Arrow, Fathom and Aspen
- Participating in PHA, HAZOP studies and close-out issues brought up during these safety analysis
- Evaluating technical bids for equipment such as pumps, relief devices etc.
- Preparing specifications and operating instructions for process packages
- Familiarity with API 520, 521 and ASME VIII industry codes

### **Process Technology and Engineering Intern, Mobile, AL**

*August – November 2016*

#### **Evonik Industries**

- Performed a mass balance of the effluent system using information from PFDs and Aspen Historian as part of a six-sigma project
- Prepared the Chemical Hygiene Plan for the Mobile Environmental Piloting Laboratory in compliance with OSHA standards
- Researched separation techniques for effective removal of an organic solvent from an effluent stream

### **Research Assistant, Chennai, India**

*May – June 2014*

#### **Indian Institute of Technology - Madras (IIT-M)**

- Modeled the flow and developed a simplified expression for forces on droplets in a micro-channel using Matlab

### **Shadowing Experience, Chennai, India**

*June 2013*

#### **Chennai Petroleum Corporation Limited (CPCL)**

- Did a short internship to learn about different unit operations involved in the refining of crude oil