Ganesh Raghavendran

https://cprganesh.com | cprganesh@gmail.com
+1 858-214-9303 | San Diego, CA

EDUCATION

UC SAN DIEGO
M.S in Chemical Engineering
2019 - 2021

NIT, TRICHIRAPALLI
B.Tech in Chemical Engineering
2013 - 2017 | CGPA-8.34/10

LINKS

Profile:// **cprganesh.com**
LinkedIn:// **cprganesh**
Github:// **ganyguru**
Blog:// **medium.com/@cprganesh**

COURSEWORK

GRADUATE
Nanoscale Modeling
Nano Engineering

UNDERGRADUATE
Fluid Mechanics
Mass and Heat Transfer
Chemical Reaction Engineering
Materials Science
Bio Engineering

SKILLS

PROGRAMMING
C • C++ • Python • Java • PHP

TOOLS
Matlab • AspenTech • GIT • Vim
LATEX • MS Office

WEB TECHNOLOGIES
HTML• CSS• JavaScript

OTHERS
SQL • Web Services.

EXPERIENCE

GAIL INDIA LTD. | Senior Engineer (Process)
Aug 2017 - Jul 2019 | Dibiyapur, UP, India

PATA Petrochemical Plant | Gas Cracking Unit
Gas Cracking Unit(GCU) of Pata Plant consisting of 6 furnaces of 140KTA capacity each is the main producer of Ethylene for the downstream polymer units.

Worked in GCU I unit as a Field Engineer and Panel Monitor. Was responsible for the running and shut down operations of Furnace, Quench Tower, Cracked Gas Compressor and DM Water units.

Vijaipur C2-C3 Plant | Cooling Towers | Executive Trainee
My work in the plant focused on improving the uniform water distribution on the cooling tower fills by replacing the circular nozzles with the variable type nozzles(forming square pattern)

RELIANCE INDUSTRIES LIMITED | Chemical Engineering Intern
Worked on the project, "Reduction of Ammonium bisulfide level in Amine treatment overhead circuit" in the crude sweetening section of J-2 unit. Used tools like ASPEN HYSYS, PetroSim to present 4 possible solutions for the issue and was offered PPO for my work.

PROJECTS

IMPROVING THE EFFICIENCY OF GSU | apr 2018 | gail india ltd.
Gas Sweetening Unit(GSU) removes undesirable components in the Natural gas like CO2 by using MDEA absorption technique. The project focuses on improving the absorption rate by tweaking the operating parameters and also to improve the amine recovered after regeneration, using simulation tools like ASPEN HYSYS

SARANSH - WEB PID PORTAL | may 2019 | gail india ltd.
A production plant was designed for Butanone using the fundamental chemical process design factors, along with the help of literature. The economical analysis of the plant was also done considering the Chemical Engineering Plant Cost Index (CEPCI) for the year 2016.

DESIGN OF MEK PRODUCTION PLANT | apr 2018 | nit trichy
In the chemical industry, 2-butanone can be used as an activator for oxidative reactions, as extractive agent, solvent, and as a chemical intermediate. A production plant was designed for Butanone using the fundamental chemical process design factors, along with the help of literature. The economical analysis of the plant was also done considering the Chemical Engineering Plant Cost Index (CEPCI) for the year 2016.

ACHIEVEMENTS AND ACTIVITIES

3rd Place - GAIL PATA Township Hackathon 2019
Winner - 108 Emergency Hackathon 2017
Regional Level Participant World Skills competition 2017 -Web Development
Head of Web Development - Festember 2016