

# Rahul Shetty

Mechanical engineer

Efficient and result driven Mechanical engineer with Masters degree in Thermal science and energy system and 1 year and 10 months of experience in Oil and gas, chemical fertilizer industries. With an aim of achieving ambitious goals with total handwork and no shortcuts, Seeking a challenging engineering role in a reputed organization, to attain personal and professional growth and contribute to the organization's goals and objectives



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## WORK EXPERIENCE

### Assistant Engineer-Planning

Onshore Construction Co. Pvt. Ltd., Mumbai

05/2016 – 09/2017

IFFCO, Aonla

Achievements/Tasks

- Prepared engineering techniques and appropriate activities for each stage in a project.
- Communicated with the clients about their requirements in various activities.
- Estimated the time and cost for the activities.
- Prepared schedules for daily and shutdown activities.
- Prepared Bills for the completed activities.
- Organized various materials required for the job. and Supervised the jobs at site.

### Maintenance Engineer

Ananya Engineering and Construction

06/2015 – 10/2015

Mangalore

Achievements/Tasks

- Worked as a Mechanical maintenance supervisor for Mangalore Refinery and Petrochemicals Ltd.
- Responsible for gathering of materials required for the modification of equipments and other purposes in the plant as planned and decided by senior engineers.
- Management of technicians and coordinating with them to carry out certain modification tasks during the time of plant shutdown.
- Interaction and Coordination with other departments like Safety, Maintenance and Stores.

## EDUCATION

### M.Tech (Thermal Science and Energy System)

Manipal Institute of Technology, Manipal

07/2018 – 06/2020

8.6 CGPA

### B.E (Mechanical Engineering)

P.A College Of engineering, Mangalore

08/2011 – 06/2015

67.67%

### XII

Sharada P.U College

06/2010 – 03/2011

82.23%

### X

Shri Ramakrishna School

06/2008 – 03/2009

90.88%

## SKILLS

ANSYS fluent

AutoCAD 2D

CREO Parametric

Solid edge v19

MS Project

Python programming

Time management

Leadership

Active listener

Willingness to learn

## PERSONAL PROJECTS

Experimental analysis and parametric study on Liquid Desiccant Dehumidification System (08/2019 – 06/2020)

- Presence of Moisture in the air increases the load on refrigeration system, when air is cooled.
- The objective was to reduce the moisture in the air, before sending it to the evaporator coils, for cooling, thus reducing the energy supply to compressor to cool the air.
- Triethylene glycol is a desiccant which has high viscosity and cost. A study was carried out in order to reduce the viscosity by blending it with another desiccant without altering its hygroscopic nature.

Exhaust gas treatment using limestone catalyst (01/2015 – 05/2015)

- Exhaust gases produced in the IC engines contains most of the harmful pollutants like CO, HC, NO<sub>x</sub> etc.
- The objective of this work is to reduce the emission of CO and HC into the atmosphere using limestone as a catalyst. The chemical formula of limestone is CaCO<sub>3</sub>. CO and HC undergo oxidation into CO<sub>2</sub> and H<sub>2</sub>O.

## ACHIEVEMENTS

First place in 'Robowars' competition

## LANGUAGES

English



Hindi



Kannada



Tulu



## INTERESTS

Cooking