



# ANUNAY SINHA

Student

As an ex-civil services aspirant, I have learned to adapt, strive under pressure, and manage time efficiently. Despite my bachelor's in Mechanical, I have always had a pull towards programming. With the capability to self-learn, I have developed my knowledge in programming concepts and languages like — python, C, to note a few. My goal is to seek a challenging career that can utilize my talents and diverse skill set ensuring mutual growth and development.



anusu90@gmail.com



9840917857



Ranchi, India

## SKILLS

Python

ANSYS

CATIA

FLUENT

## LANGUAGES

English

Full Professional Proficiency

Hindi

Full Professional Proficiency

## INTERESTS

History

Movies

Programming

Cricket

## WORK EXPERIENCE

### Maintenance Engineer

Bharat Petroleum Corporation Limited

06/2013 - 05/2015

Achievements/Tasks

- MIS - Worked on SAP.
- Computation Fluid Dynamics (CFD) analysis to improve the efficiency of Heat Exchanger using tube inserts. The theoretical gains are being verified at Bina Refinery of BPCL.
- Shutdown Management using Primavera. Management of ARCs and Pipelines at MOT.

## ORGANIZATIONS

1. Bharat Petroleum Corporations Limited
2. MECON limited
3. Steel Authority of India Limited

## CERTIFICATES

OPTIKA (2011)

Robot used MATLAB and image recognition from an overhead camera to move on a chess board in specific pattern

Python (08/2020 - Present)

Udemy

## PERSONAL PROJECTS

Home Automation based on open source software HA. (01/2020 - Present)

- Low cost, locally deployed IOT devices based on ESP8266. They have helped in automating various processes in my house leading to quantifiable savings and reduced wastage of resources. Designing and deploying all the circuits have been undertaken by me.

Project on Fortran (2012)

- Real world pipe flow problem was solved by coding Navier-Stokes equation and boundary conditions (BCs) in Fortran

## EDUCATION

Mechanical Engineering - DGPA - 8.23

IIT - BHU- Varanasi

05/2009 - 06/2013

Courses

- B. Tech Project: Analysis of Pneumatic Control Valves in a Hydraulic Circuit.
- Heat and Mass Transfer, Fluid Mechanics, SOM, Machine Design, Turbomachinery.

Varanasi India

## ACHIEVEMENTS

Cleared IIT JEE (2009)

DR (Departmental Rank) 3RD AT IIT

Reached Interview stage of UPSC ESE

Won BPCL departmental cricket tournament