

# Ajay Makwana

25 Years, Male



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## CAREER OBJECTIVE

To work and be a part of your reputed company in a challenging technological environment, which will enable to improve and expand edge of my knowledge and experience. Further, to seek a position to utilize my skills and abilities in the field that offers me professional growth while being resourceful, innovative and respectful.

## PROFESSIONAL EDUCATION

### ➤ **SOFTWARE SKILL :**

- PDMS (PIPING DESIGN MANAGEMENT SOFTWARE)
- Smart Plant-SP3D
- AutoCAD (2D / 3D Modelling)
- AutoCAD Plant 3D
- Creo 2.0 / Pro E
- MS Office (Word, Excel, Power Point, Outlook)

### ➤ **Professional Review :**

- **2 Years 1 Months** extensive experience in instructing and training students in design software.
- **3 Years** of Experience in Conceptual Studies, Basic Engineering, Design & Detailed Engineering of Static Equipments for Oil & Gas, LPG Import Facilities, Petro Chemical, Refineries.
- Design & Detailed Engineering of Fire Fighting System, Sprinkler System & Fire alarm System.
- Performing Strength calculations for Fire water demand calculation, Hydrant Pipe size calculation, Pipe Wall thickness Calculation.
- Specialization in 2D-3D Modelling of Piping and Equipment.

### ➤ **Piping Engineering Skills:**

- P&ID & General Arrangement Drawings
- Preparation Plant layout
- Equipment layout for different area
- 3D Piping & Equipment modeling
- Isometric drawing
- Valve Datasheet & Nozzle Orientation.
- Preparation Of MTO (Material Take off)
- Pipe Wall thickness Calculation & PT Rating Selection.
- Familiar with International Design Codes & dimensional Standards like ASME, API, BS, ASTM, IS etc.

## EXPERIENCE DETAILS

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### ➤ **Projects & Development India Limited, Vadodara, Gujarat.**

**Designation: Mechanical/Piping Draughtsman (From 12<sup>th</sup> June – 2017 to Till Continue)**

- Preparation of Piping Drawing- Layout and Isometrics
- Preparation of Equipment layout.
- Preparing Plot Plan for various Bottling Plants.
- Preparation of P&I Diagrams.
- Design of Pressure Vessels, Tanks, LPG Bullets as per standards.
- Design of Heat Exchangers (Including Condensers, Evaporators & Heaters)
- Design and sizing of pump house.
- Hydrant pipe size calculation
- Design of Fire Fighting System
- Prepare to tender documentation
- Attend the technical meeting with contractor.
- Preparation and modified piping drawings utilizing **AutoCAD, Micro Station, PDMS**

#### **PROJECTS:**

- Design & Detailed Engineering of LPG Bottling Plant for GOINDWAL, AMRITSAR, KHARAGPUR, BHATINDA, GORAKHPUR, NAGPUR
- Design & Detailed Engineering of Cross Country Pipelines for laying of Propane, Butane & Reformate Pipelines, IOCL PARADIP

### ➤ **NT AGNI SOLUTIONS PVT. LTD., VADODARA, GUJARAT.**

**Designation: Design Engineer (From 14<sup>th</sup> July – 2015 to 10<sup>th</sup> June – 2017)**

- Design & installation of the Fire Fighting & Plumbing System.
- Preparation of Design, Shop & as built drawing of the project & Taking approval with consultants.
- Coordinating with Electrical, Plumbing and HVAC drawings for Fire Fighting system.
- Review and Checking of Design & Shop drawing as per specification & standard.
- Responsible for the designing of water supply & Drainage System.
- Review of technical submittals & technical bid submissions.
- Preparation of Bill of quantity as per scope of work.
- Preparation of Effluent Treatment Plant, Sewage Treatment Plant & Water Treatment Plant Layout, P&ID & Piping GA.
- Responsible for field surveys, inspection, measurements and as-built design modification.
- Preparing and modifying piping drawings utilizing **AutoCAD**.

#### **PROJECTS:**

- Design & installation of the Fire Fighting System, Sprinkler System & Fire Alarm System for :-
  - Shiva Pharmachem Ltd, Luna
  - Ami Life Science Private Ltd, Vadodara
  - Amaazia Amusement Park, Surat
  - HCG Hospital, Vadodara
  - EVA Mall, Vadodara
  - Bank of Baroda
  - Sumandeep Vidhyapeeth, Vadodara
  - Marroitt, Vadodara

## ➤ **HYPERSOFT, VADODARA, GUJARAT**

**Designation: CAD/CAM ENGINEER (From July – 2013 to 11<sup>th</sup> July – 2015)**

- Teaching software like AutoCAD, Pro-e/Cre-o, Inventor
- Assign projects to students and guiding them in the same.

### **OTHER ACTIVITES:**

- Generated CAD Drawings for Engineering Projects.
- Coordinated with Clients.
- 2D-3D modelling and Detailed Drawings of Components by using 2D-3D Design software.
- Design new products by using new concept which fulfils all the technical requirements and satisfies of customer.
- Profound knowledge of 3D Assembly Drawings
- Design and Drafting skill in engineering drawing.

## **EDUCATIONAL QUALIFICATION**

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- **BE** (Bachelor of Engineering 3 year from Rajiv Gandhi Proudyogiki Vishwavidyalaya.) in 2017 with 6.90 CGPA.
- **Diploma** (Diploma in Mechanical 3 year from Gujarat University Technology) in 2011 with 6.28 CGPA.
- **10<sup>th</sup>** (**S.S.C**-Secondary from A.P. Vidya Mandir School, Bochasan) in March 2008 with 72.15%

## **ADDITIONAL QUALIFICATION**

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- **Diploma Course in** (Pro-E/Cre-O) in 2012 With 72% (Sketch/Part/Assembly/Sheet Metal/Drawing View/Animation).
- I have Completed "**AutoCAD**" Course by "**Hypersoft Technologies**".

## **PERSONAL DETAILS**

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- **Full Name** : Ajaybhai Manubhai Makwana
- **Address** : 38/ Thakorkrupa Society,  
B/H New Fathegunj Police Station,Nizampura,Vadodara
- **Date Of Birth** : 17 September, 1992
- **Passport No. & Expiry** : P7820391, 08/02/2027
- **Language Known** : English, Hindi, Gujarati
- **Nationality** : Indian
- **Marital Status** : Unmarried
- **Hobby** : Playing Football, Basketball, Travelling & Swimming

## **DECLARATION**

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I hereby declare that the above-mentioned information is correct up to my knowledge and I bear the responsibility for the correctness of the above-mentioned particulars.

**Place: Vadodara**

**Date:**

**AJAY MAKWANA**