# RESUME

**PERSONAL DETAILS:-**

**Name: - AMRUTA. R. PATIL**

Position: - Design Engineer (stress) at Reliance industries ltd. Qualifications: - B.E. (Chem.), PGD (Plant Design &Piping Engg). Specialization: - Piping Stress Analysis.

Date of Birth: - 8th April 1989.

Contact Details: - Mobile no:-+91 7720081788, +91 8433707943. Email-id: - [dhakeamruta@gmail.com](mailto:dhakeamruta@gmail.com)

Nationality: - Indian.

Passport no:- M0794738.

Marital Status:- Married.

Address :- Flat no- B/208, Mansarovar building, chincholi phatak, Malad(W), Mumbai-400064.

# Total Experience: - 5.7 years.

**PROFILE:-**

* A good team player with quick learning capabilities and positive attitude.
* Excellent interpersonal, verbal and written communication skills.
* Proficient with **CAESAR-II Ver 5.1, 5.2,6.1,6.3,7, Nozzle Pro.**
* Strong analytical and arithmetical ability.
* Familiar with AUTO-CAD, Navis Works, PV-Elite, Smart plant Review.
* Knowledge of International Piping Codes / Standards.

# JOB RESPONSIBILITIES:-

* Preliminary stress analysis, piping design validation, participation to design reviews.
* Critical line list preparation.
* Stress cirtical system formation (P & ID Mark up).
* Detailed static calculations of piping connected to high pressure vessels, furnaces, air-coolers, shell & tubes exchangers, tanks, pumps, centrifugal compressors, turbines, PSV lines.
* Identification, calculation and design of suitable standard or special pipe supports.
* Evaluation and transmission of equipment nozzle loads.
* Flange leakage calculation by NC method and Pressure Equivalent method.
* Transmission of loads on steel and concrete structures.
* GRP/ FRP Piping stress analysis.
* Special Material Database Preparation to use in CAESAR II.
* Preparation of spring specification.
* Nozzle load qualification as per WRC 297/107, API 650 for Pressure Vessels.
* Report Documentation of stress systems.
* Familiarity with international standards as ASME B31.3, B31.1 and VIII Div1 /2; API 610, 617, 618, 661 and 560; NEMA SM-23; WRC 107 and 279.
* Civil loading of cryogenic lines on shore area, trussle area & Jetty area.
* Preparation of MTO of Craddle Supports.
* Actively involved in plant troubleshooting problems and exciting supports related Problems.

# WORKING EXPERIENCE:-

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| **COMPANY** | **TENURE** | **PROJECT** | **TYPOLOGY** | **CLIENT** | **ROLE** |
| 1. Reliance Industries Ltd,  Mumbai. | 5th May 2015– Till date. | MOC work for DTA, SEZ. | Refinery | Reliance Industries, Jamnagar | Piping Stress Engineer,  at site support office |
| DTA HNUU PLATFORMER | Refinig And Petrochemical Heavy Naptha Unionfining  reactor | Reliance  Industries, Jamnagar | Piping Stress Engineer |
|  |  | (HNUU) |  |  |
|  |  | platformer unit |  |  |
| 2. Burns & | 2nd | M&G RESINS |  | Reliance Industries, Jamnagar |  |
| McDonnell,  Powai, Mumbai. | December  2014 – 18th | USA, LLC,  JUMBO | Petrochemical  plant | Piping Stress Engineer |
|  | March | PROJECT |  |  |
|  | 2015. |  |  |  |
| 3. Toyo Engineering India Ltd, Kanjurmarg,  Mumbai | 5th June 2014 – 30th  November 2014. | LNG Mundra | Energy, Gas & LNG  Liquefied Natural Gas | Gujarat State Petroleum Corporation LNG Limited | Piping Stress Engineer |
| 4. Techint India Pvt  Ltd, Thane, Mumbai. | 18th March 2014 – 30th  May 2014. | BUT  Isomerization (C4) | Petrochemical Project | - | Piping Stress Engineer |

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| **COMPANY** | **TENURE** | **PROJECT** | **TYPOLOGY** | **CLIENT** | **ROLE** |
| 5. UHDE INDIA  PVT  LTD,Vikhroli, Mumbai. | 18th Feb 2013 – 18th  March 2014. | BASF The  chemical company | Agriculture Plant | BASF The  chemical company. | Piping Stress Engineer(GRP/FRP Piping stress analysis) |
| CFI  Donaldsonville | Nitrogen Plant | CF Industries, Donaldsonville | Piping Stress Engineer |
| 6. FLEXITECH CONSULTANT  PVT  LTD,Thane, Mumbai. | 24 Dec  2012 – 15  Feb 2013 | - | Boiler lines | Thermax ltd | Piping Stress Engineer |
| 7. SUMERU 108 ENGINEERING CONSULTANC Y, Airoli, Navi  Mumba | 18th Feb 2011 – 18th  Dec 2012. | ARABIAN CHLOR VINYL PROJECT | Petrochemical Project | Plastic on Europe, Netherlands. | Piping Stress Engineer(GRP/FRP Piping stress analysis) |
| PARADIP REFINERY PROJECT (PDRP). | Oil & Gas Project | Indian Oil Corporation Limited/ Aker solutions | Piping Stress Engineer |
| EVONIK Me5 | Methionine plant | Jacobs Engineering  Mumbai | Piping Stress Engineer |
| CP Chem PROJECT | Petrochemical Plant | Jacobs  Engineering Mumbai | Piping Stress Engineer |

**TRAINING COURSES:-**

* 1. Post Graduate Diploma in Piping Design and Engineering From VIT Pune.
  2. Completed 15 days In Plant Training from 23th June 08 to 6th July 08 in MADHUKAR SAHAKARI SAKHAR KARKHANA LTD Faizpur.

Activities performed during the period are as follows

* + - Study of all processes & operations.
    - Study of sugar manufacturing as well as alcohol manufacturing process.
    - Study of waste solid and water treatment.

# PERSONAL SKILLS:-

Information Technology Expertise in using: Windows, Linux, Office Automation,

MS office, Caesar II – Piping Stress Analysis

# EDUCATION:-

2010 Post graduation diploma in Plant Design &Piping Engineering From VIT Pune.

2009-10 BE CHEMICAL from K.K.Wagh I.E.E & R, Nashik,

University of Pune with First class.

# ADDITIONAL INFORMATIONS:-

Willing to Travel:- Open to short business trips (1-2 weeks duration, no more than 20- 30% of working year)

Permanent relocations in Gulf countries are accepted

Personal Interests:- Badminton ,project management, finance, classic movies.

# DECLARATION:-

I hereby declare that the information furnished above is true to the best of my knowledge. Place: Mumbai

Date: / /2016 (Amruta R Patil)