

# HAMID REZA

**B.Tech (Mechanical Engineer)**

Mobile No. +974 7773 6832

Dr. K.N. Modi Engineering College, AKTU

Current Designation : Structural Steel Design Engg, Modeler & Detailer  
(Tekla Structures, Revit, AutoCAD & SolidWorks)

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## OBJECTIVE :

Seeking a job opportunity where my professional qualification, work experience & skills can be utilized to maximize the performance for achieving the goals & objectives of an organization.

Specialist in Designing, 3D Modeling, Steel Detailing, Production & Project Co-ordination of Light, Medium & Heavy Steel Structures.

## CAREER SUMMARY :

- Around **4.5 Years** of professional experience in the field of Designing, 3D Modeling, Steel Detailing, Production & Project Co-ordination of Light, Medium & Heavy Steel Structures.

## WORK EXPERIENCE :

### NATIONAL BUILTECH TRADING & CONTRACTING CO. Doha

3.4 Years

Structural Steel Design Engg, Modeler & Detailer –

(Designing, 3D Modeling, Steel Detailing, Production & Project Co-ordination)

(Jan 2019 – Present)

#### □ Responsibilities:

- Expertise in Tekla Structures, Revit, AutoCAD & SolidWorks.
- Reviewing Client's technical documentation & requirements.
- Preparing 3D model in Tekla Structures & Revit Structures & developing the 2D & 3D design of steel structures by using AutoCAD 2020 for new products & modification of existing products.
- Expertise in modeling structural steel (Main steel column, beam and brace etc.) & Misc. steel (Stairs, Guardrails, and Ladder etc.) and Sound knowledge of AISC Standards.
- Checking of Anchor bolt plan, Erection drawing, Shop drawing and Misc. steel detailing experience etc. Study of input drawings received from client.
- Familiar with NISD standards for structural steel detailing. Checking of output product by the detailer (Model Check & Drawing Check).
- Raising queries for the missing information. Work allotment and monitoring guiding the detailer in completing the work in scheduled time
- Familiar With the AISC, US, American Standards. Experience in Checking Client Inputs, Model Checking, Drawing Checking.
- Familiar with co-ordination of work flow in the team.
- Extraction of fabrication drawings and checking.
- Able to model and detail individually.
- Preparation of GA drawings, Fabrication / Shop Drawing for Client Approval, Erection Drawing needed for execution for onsite & offsite works, Proposal Drawings & As-built drawings for industrial & commercial buildings & steel structures. Review as-built drawings for invoicing.
- Creating bill of material (BOM), other necessary reports and NC files
- Verifying modules for clash check in Tekla & Revit.
- Experience in commercial and Industrial projects.
- Submission of CAD models for client's approval including material submittal & product weight calculation.
- Preparation of engineering submittals, design drawings & shop drawings. Quantifying the quantities of the drawings.
- Preparation of cutting lists / Nesting for plates & steel profiles with required quantities & specifications by using CNC Cutting Machine: Software – Pro Nest 2019.

## MAJOR PROJECTS :

- **HBK Contracting**
  - **Lusail Katara Tower** – 3D Modeling, Detailing, Production & Project Co-ordination of steel Support Structures
  - **Qatar General Electricity And Water Corporation (Kahramaa)** – 3D Modeling, Detailing, Production & Project Co-ordination of steel support Structures
  - **Qatar foundation** - 3D Modeling, Detailing, Production & Project Co-ordination of Steel Shed Structures
  - **Qatar Railways Company** - 3D Modeling, Detailing & Production of Steel Car parking shed Structures
- **Al Nasr Contracting**
  - 3D Modeling, Detailing, Production & Project Co-ordination of Soffit Support Structure
  - Design, Production, Site Supervision & Project Co-ordination of MS Handrails
- **PERI Qatar**
  - 3D Modeling, Detailing, Production & Project Co-ordination of pier mold with Infill Supports
- **Gulf Steel**
  - Detailing, Production & Project Co-ordination of Steel Support Structure for Katara Tower
- **Al Rayyan Contracting**
  - 3D Modeling, Detailing, Production & Project Co-ordination of Curved Canopy Structure
- **Kahramaa Substation – Steel Structure**
  - 3D Modeling, Detailing, Production & Project Co-ordination of Monorail Beam Structures
- **Car Parking Shade Structures – Heavy & Medium Steel**
  - Design & Development of Car Shade Structure – 8 Bay, 6 Bay, 4 Bay & 3 Bay

## XL CNC MACHINES, BANGALORE (IN)

1.0 Year

Asst. Design Engineer (Jan 2018 – Jan 2019)

- Worked as an Asst. Design Engineer at XL CNC Machines, Bangalore (IN). I was handling individual responsibility of CNC & VMC Machines parts Design & Drafting as well as for inspection in the Shop.
- **Job Responsibilities:**
  - Preparation of 3D model in SolidWorks & AutoCAD for the machine components.
  - Work involved conceptual & detailed design of high-speed web machinery (X Series : X300, X400, XL400, Excel Turn Series : XL Turn ACE, Irrigator, CNC/VMC, etc.) for the production of various size envelopes.
  - Mechanical design / checking / detail drafting of component assemblies, structural layout, commercial component selection / purchasing, sheet etc.
  - Worked with Researchers & Developers on new product development.
  - Attend pre-bid meetings, clarify all doubts, determine & underset & very well our scope of work in project drawings & required contents to prepare proper shop drawing & design of machine parts.
  - Generating full manufacturing package including engineering bill of materials (BOM) Guiding & supporting the service team in VMC, CNC, wire cutting, sparking, & conventional machineries.
  - Maintaining inspection records & file system, as defined by the quality manual & related procedures.
  - Inspects completed parts & assemblies. Verifies correctness of documentation & routes material to the next operation or rejection material & prepares a rejection report.
  - Performs in-process inspection as directed.
  - Uses instruments & gages properly, insures proper care, maintenance & accuracy.
  - Implementing gage control, ensuring that all inspection equipment is calibrated & in a working condition in a manufacturing setting.
  - Maintain documents & providing updates to design engineers regarding the status of work.
  - Generate bill of quantity against drawings, identify material types & quantities for cost estimation. Preparation of bill of material & accessories list in MS Excel for the Project work. Assist estimation manager in order to finalize the prepared quotation.
  - Preparation, assemble & submission of pre-qualification certificates, documents & other information to be submitted with the proposal as per project specifications, such as project organization chart, corporate safety information, price breakouts, & insurance information.

**EDUCATION :**

<b>Dr. KN Modi Engineering College, Uttar Pradesh – India</b> Bachelor of Technology – Mechanical Engineering (2018)	72%
<b>Akshaywat College Mahua, Bihar – India</b> Intermediate (2014)	63%
<b>High School Maudah Dih, Bihar – India</b> Matriculation (2012)	65%

**TECHNICAL SKILLS :**

- Software using **Tekla Structures, Revit, AutoCAD, SolidWorks, MS Office (Word & Excel)**
- Analytical thinking & able to create technical designs as well as solving issues
- Excellent knowledge of design & visualization. Project management & supervision skills
- Ability to work with multiple discipline projects
- Computer Typing Speed with 40 wpm

**STRENGTH :**

- Result oriented & Confident, Strong Analytical & Problem-Solving Ability.
- Ability to work under pressure, ability to meet deadline.
- Positive thinking, Eagerness to learn latest techniques & technologies.

**PERSONAL DETAILS :**

- Permanent Address : Vill + Post – Maudah Dih, Ps – Pateput, Dist – Vaishali, Bihar - 843114
- Date of Birth : 23<sup>rd</sup> April 1997
- Passport Detail : R2478449 (EXP. 10 SEP 2027)
- Marital Status : Single
- Nationality : Indian
- Language Known : English, Hindi, Urdu
- Notice Period : One Month (NOC Obtainable)

**DECLARATION :**

I do hereby declare that all the above-mentioned information & particulars are true up to best of my knowledge & belief & I will take all the responsibility for any further consequences.

**Date:** 16<sup>th</sup> APRIL 2022

**Place:** Doha, Qatar

**(HAMID REZA)**