

# ABDUS SALAM

CAD ENGINEER

+91 8688876277

abdussalam7455@gmail.com

Bangalore

Excelling in a dynamic CAD Engineering position, utilizing 4+ years of expertise in CAD modeling, design, and drafting in the Mechanical Engineering sector. Targeting opportunities in tech companies to apply analytical and problem-solving skills effectively.

## Core Competencies

Product Development

Design Process Optimization

Project Management

Quality Control Systems

Manufacturing Processes

Business Process Optimization

Technical Documentation

Research & Development

Team coordination

## Technical Skills

- AutoCAD 2022 2D, 3D Drafting
- SolidWorks 2022 part, Assembly, sheet metal, drafting
- PTC Creo 9.0 part, sheet metal, Assembly, drafting
- GD&T applications in Drafting
- Laptop Hardware Configuration and cad software installations

## Profile Summary

- With over 4 years of experience in CAD Modeling, designing, and drafting within the Mechanical Engineering industry.
- Led training sessions for diploma and engineering students on 2D and 3D CAD software at ID Wisdom Institution, enhancing their skills and knowledge.
- Proficient in AutoCAD, SolidWorks 2022, PTC Creo 9.0, and GD&T applications.
- Successfully participated in various business Expos, showcasing expertise in CAD software.
- Skilled in data collection, analysis, and compilation for the design process.
- Recent achievement includes the design and development of a Metal Evaporation Coating Unit.
- Possess strong knowledge in strategy planning, implementation of designs, and excellent documentation skills.
- Proficient in optimizing design processes, implementing product development strategies, and ensuring quality control systems adherence, showcasing a comprehensive skill set in Mechanical Engineering.
- Recognized for leading the design and development of a Metal Evaporation Coating Unit, resulting in a XX% increase in operational efficiency and cost savings for the organization.

## Work Experience

December 2021 – December 2023 | IT Wisdom Institutions Pvt. Ltd., Kurnool

CAD Engineer Trainee

Key Result Area:

- Conducted training sessions for diploma and engineering students in the utilization of 2D and 3D CAD software.
- Organized and implemented daily class schedules, including detailed lesson plans covering various CAD packages.
- Generated CAD drawings and distributed practice assignments to students to enhance proficiency.
- Laptops hardware configurations and softwares installation for trainees all modules like autocad, solidworks, creo, nx, solid edge, catia, ansys hypermesh.

February 2018 – February 2019 | High Vaccum Products & Instruments, Bangalore

CAD Engineer

Key Result Area:

- Utilized AutoCAD software to create 2D and 3D drawings for reverse engineering of outdated equipment.
- Organized and executed day-to-day project planning, setting goals, and scheduling tasks.
- Prepared CAD drawings and managed company data for estimating and costing equipment.

## Certification

- **Certification from HMT Organization, Hyderabad, in Special Purpose Machine Manufacturing.**

## Education

- 2016
  - **B.tech. – Mechanical Engineering**
  - Brindavan Institute of Science & Technology
  - Engineering College, JNTU
- 2013
  - **Diploma in Mechanical**
  - Government Polytechnic College, Aluru

## Personal Details

- **Date of Birth:** 05<sup>th</sup> October, 1994
- **Languages:** English, Hindi and Telugu

- Facilitated communication with vendors to ensure work adhered to schedule; prepared pre-production files, measurements, and worksheets.
- Engaged in client meetings to discuss design specifications and project requirements.

### Projects:

- **Title: Design and Development of a Metal evaporation coating unit.**  
**Description:** The project aimed at designing a metal evaporation unit with assembly of vacuum pump, bell jar unit, control panel with a structure frame and doors. The HT and LT cabling and transformers has been arranged for metal heating and evaporation to the targeted work piece.
- **Title: Low temperature vacuum resistivity setup PhD project for Tata institution (bang).**  
**Description:** In this project study and analysis of alloys of different metals and their behaviors in the setup. Its design is reverse engineered for remake; with some improved features.
- **Title: Glove box unit**  
**Description** During this project 3D model of Design and quoting had been done.

**February 2017 – January 2018 | [Nano Tech Innovative Solutions, Bangalore](#)**

### **CAD Engineer**

#### **Key Result Area:**

- Conducted reverse engineering of specialized purpose machines, creating 2D and 3D drawings using AutoCAD software.
- Developed day-to-day project plans, setting goals and scheduling tasks accordingly.
- Prepared CAD drawings and managed company data to facilitate estimation and costing of equipment.
- Coordinated with vendors from other companies to ensure timely completion of work and prepared pre-production files, measurements, and worksheets.
- Participated in client meetings to discuss design specifications and project requirements.

### Projects:

- **Title:** Design and Development of Multi spindle drilling machine. (Kamadahnu engg works Bangalore)  
**Description:** The project aimed at designing a multi spindle spm for multiple operations for mass production of symmetrical products.
- **Title:** Design of rollers for production line for Ashok Leyland (hosur).  
**Description:** In this project we design a roller for production line for easy transaction of mass production in production line Its design is reverse engineered for remake; with some improved features.
- **Title:** Belt conveyors FOR KANGOVI ENGG WORKS (Bangalore, PEENYA 2STAGE)  
**Description:** During this project 3D model of Design of BELT DRIVES, Structural frame work motor driving mechanism and other features has been design with team work.