

ABDULSAMATHU M

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SUMMARY

- Having 5 years of experience as a **Mechanical Design Engineer**, Adept at working effectively to achieve goals both as a cross-functional team member and individual contributor.

SKILLS

Software Based: Creo, windchill, solid works, Sap, AutoCAD, MS Office, NX CAD, Teamcenter

- Good working knowledge in 3D Modelling and Detailed Drawings.
- Knowledge to work with casting and machining components and Sheet metal projects.
- Good in windchill, Team Center, Knowledge on standards like ANSI, ASME and IS.
- Engineering Change Management Process, BOM creation, maintenance & modification.
- Geometric Dimensioning & Tolerance (GD & T)

PROFESSIONAL EXPERIENCE

Onward technologies limited. Oct 2022 – Oct 2024 (Design Engineer at CAT -onsite)

Key Products: Casting Components, Hydraulic Components, Valves and Fittings

- Design and Detailing of Casting and Hydraulics components of off highway vehicle
- Scope analysis, Estimation and Project execution planning to complete the Project with On Time Delivery
- Handling Top-Down Model (TDM), Fixing large assembly issues, knowledge on Teamcenter visualization
- Handling on SPM (oil & gas) projects and PDM activities
- Supporting Harness and dragline project and forging components
- Working on Wiring Harness Routing for large assemblies (vg cables) and power connections
- Working on engines, radiators, alternators, rail groups
- Good exposure on family table and instance for Top and Bottom level Assembly
- Modeling and detailing for Sheet metal parts and simulation process
- Project delivery and team handling with effective team management
- New product design and development process

CADopt Technologies India Pvt Ltd (January 2021 – August 2022)

- Service provides for: Bosch Global software Technologies (Onsite)
- Software used: CREO 7, SAP, Windchill, Team Center.

- Project: Drives and Control Mobile Hydraulics Applications (DCMH)
- Installation and General arrangement drawings creation
- Installation Mock up model creation
- Mobile application project supporting Bosch DC Elchingen Plant in Germany that deals with the designing of Hydraulic pumps and motors.
- BOM Creation, ECN, ECR, Process.
- Promoting drawings and models through PLM (Formats like DXF, XML, STEP, IGES, 3D)
- Special piping task done for the combi pump
- Hands on experience in Quality checking, Record Customer requirements and reported to team.
- Experience in collaborating with Global working partners (Germany).
- Preparation of component drawings, spare parts drawing, exploded drawings, skeleton assembly and Installation drawings with Hydraulic circuits.

Jiametric Technologies (July 2018 – Nov 2020)

Software used: solid works.

- Assemble the components according to Bom, 3d to 2d conversion
- Geometric Dimensioning & Tolerance (GD & T), welding symbols
- Accomplished the Sheet metal projects for the small industries

ACADEMIC CREDENTIALS

- Bachelor of Engineering (BE) in Mechanical Engineering at M. Kumaraswamy college of engineering, Karur with 72 %

DECLARATION

I hereby declare that all the details furnished above are true and correct to the best of my knowledge and I bear the responsibility for the correctness of the above-mentioned particulars.

Place: Dindigul

Date:

(ABDULSAMATHU)