

**ABHISHEK KAROSHI**

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## PROFILE SUMMARY:

* Mechanical engineer with **7+ years of experience** in multi-disciplinary domains like Aero-engines, Automotive, Oil & Gas and Renewable Energy.
* Hands-on experience in the creation of 3D Models, 2D drawings, Assembly**,** Sheetmetal and Mechanical hose routing in **Unigraphics-NX.**
* Hands-on experience in the creation of parts, documents and database management in **Teamcenter** and exposure to different modules like My Teamcenter, Structure Manager and Manufacturing Process Planner**.**
* Experience in designing of **sheetmetal** components to meet the requirements such as functionality, serviceability, cost-effectiveness etc.
* Exposure to Design tools like Design for Manufacturing and Assembly (**DFMA**) and Design Failure Modes and Effect Analysis (**DFMEA**).
* Hands-on Experience in **Mechanical hose routing**.
* Exposure to Engineering Change Management activities **(ECR, ECO & ECN)**.
* Experience in Packaging Planning and Concept design of special-purpose shipping racks.
* Knowledge of Basic GD&T (ASME Y14.5) and Tolerance stack-up analysis.

## SOFTWARE SKILLS:

* UG NX: 3D Modelling, Drafting, Assembly**,** Sheetmetal and Mechanical Hose Routing.
* PLM: Teamcenter.
* MS Office.
* Pack Assistant, LTM and Engineering Client.

**WORK EXPERIENCE:**

# Organization: Capgemini India Pvt. Ltd. Period: August 2022 - Present

**Client:** Siemens Gamesa Renewable Energy **Tools Used:** UG NX and Teamcenter **Responsibilities:**

* Design and development of wind turbine tower and Gas turbine generator section sheet metal components to meet the design requirements such as functionality, serviceability, robustness, cost-effectiveness etc.
* Creation of 3D models and 2D drawings (Component, weld and assembly drawings).
* Cost out idea implementation on generic tower designs.
* Creation of ECN and raising workflow in Teamcenter.
* Hose routing between mechanical components in Generator and Hub section.

# Organization: QuEST Global Engineering Pvt. Ltd. Period: August 2015 - July 2022

**Client:** Mercedes Benz Research & Development India.

**Tools Used:** UG NX, Engineering Client, LTM & Pack Assistant.

## Responsibilities:

* Design of shipping racks & special purpose racks (Kitting and Internal trolley) considering ergonomics standards such as forward reach and working space for the operator and payload capacity.
* Pre-concept discussion regarding the requirement from the assembly plant, part orientation, rack type and handling equipment for the part.
* Packaging simulation for all the local parts received from the supplier location by considering container payload capacity for both plastic and steel standard containers.

**Client:** Rolls-Royce **-** Computer Aided Process Planning for Turbines

**Tools used:** Teamcenter

## Responsibilities:

* Interpretation of SAP input data.
* Study of manufacturing routers.
* Creation of process structure in Teamcenter based on the different process standards.
* Migration of technical data and instructions from existing SAP routers to MES routers.
* Creation of Technical Instruction for the process.
* Perform quality check and technical review of the new process created.
* Releasing of the process through Teamcenter.
* Creating connectivity between SAP, Teamcenter and MES.
* Performing post-release activities like SAP data change, technical Instruction and drawing detail changes.

**Client:** Rolls-Royce – Compressors **Tools Used:** Teamcenter & UG-NX **Responsibilities:**

* Inputs are Comm-Sheet, Models, provided by customers through Teamcenter.
* Creation of Models and Drawings for the supplied inputs as per Rolls-Royce standard Operating procedures and best practices.
* Change implementation in model and drawing as communicated.
* Creation of Engineering Change Notice.
* Releasing the Models and Drawings into Teamcenter.
* Involved in the quality check for the defined task and taken care of on-time delivery.

**Client:** Baker Hughes - In-Line Inspection **Tools Used:** Gemini-view **Responsibilities:**

* Understanding the type of pipeline to be inspected considering corrosion type & pipeline location.
* Identifying corrosion, damages, and other flaws of the pipe.
* Preparation of a list of flaws detected in the pipeline.

**Client:** Caterpillar - Global On-Highway Trucks **Tools Used:** Teamcenter & UG-NX **Responsibilities:**

* Migration of Navistar drawing Caterpillar drawings with the standards.
* Model creation and release into EDS; ensuring On Time Delivery & quality of deliverables
* Creation of models and drawings based on supplier information as per the required standards.
* Creation of ECN for the parts in Teamcenter.

## OTHER CAREER ACHIEVEMENTS:

* Awarded ”**On The Fly**” for execution of tasks, regulatory and quality deliverables to meet the due dates to achieve

positive outcomes for Global On-Highway Trucks and Turbine CAPP projects

* Nominated for **“Best Performer of the Year 2020**”
* Won several prizes in Cultural events at Company Fest

## EDUCATION:

**2009 - 2013: B.E** in **Mechanical Engineering**, KLS Gogte Institute of Technology, VTU, Belgaum - Grade: 75%

**2007 - 2009:** PUC, Raja Lakhamgouda Science Institute, Belgaum - Grade: 86%

**2007:** SSLC, GA High School, Belgaum - Grade: 90%