

Sumeet Shiragavi

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Product Development || Design Engineering

Mechanical Design Engineer with 3 years of Electromechanical experience in Industrial Product, Wind turbine and Electrical components Design for North America, Europe, Denmark & Asia Clients.

Hands on experience in Electromechanical parts design, Drawing, Machining parts, sheet metal, manufacturing & installation drawings, bill of material creation, Cable routing with Cabling Standards, Tubing and piping, Standard component selection, Engineering Calculation, PDM management.

Industry preference: R&D/OEM/Engineering & Technology

PROFILE SUMMARY

- **Design Engineer with 3 years of professional experience** in Wind turbine and Renewable Industry, Product Design & development, Engineering Changes, CAD Support and PLM tools windchill and Teamcenter. Vast Exposure to Solid modelling, Cable routing with electrical standards, Sheet Metal, Surfacing Basics and 2D drawings in Creo 7.0, UG NX 12.0, Autodesk Inventor, AutoCAD Alignments.
- Planning & coordination with customer, vendor, suppliers, various departments across the company and onsite engineer for understanding project requirements & its execution.
- Ability to work on multiple projects (Regular & Fixed Bid) in challenging environments and guide team members.
- Excellent communication and customer interaction skills.
- Have a good experience in design activities involves Technical Risk analysis, FMEA, Tolerance stack-up, Geometric dimensioning and tolerance (GD&T), Manufacturing Process, Engineering calculations, etc.
- Having experience of working as an offshore coordinator, which involves creation of Estimation, Maintaining Trackers, creation of weekly and monthly metrics, interaction with customer & handling resources.
- Having work experience in several casting and machining design for machinery products like Main bearing housing, Tower design with Foundation Basket for wind turbines.
- Follow Design Processes and work instructions, estimation and input review checklists to carry out the design work to deliver on time.
- Good team player with ability to offer Professional performance, to understand the client requirement and execute responsibility to meet the needs and requirement and achieve OTD.

Highlights:

- Successfully managed and aligned fresher to team and managed daily work with quality.
- Taking up new tasks and learning and executing in less time.
- Learning new tools and deliver with Best, as per customer requirement.
- Delivering the Quality deliverables, as per the client's satisfaction.
- Execution of tasks, regulatory and strategic planning for quality deliverables to meet the due dates to achieve positive outcomes without effecting CN plans.

PROFESSIONAL SKILLS

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|-----------------------------------|----------------------|----------------------------|
| • Concept Design Creation | • Wind Turbine | • Adhere Quality |
| • Modelling, Detailing & Drafting | • Electromechanical | • Engineering Calculations |
| • Manufacturing Drawing reading | • Strong Work Ethics | • Product enhancement |
| • (GD&T) | • DFM | • Project Management |
| | • Solar | • Problem Solving |
| | • Renewables | • Leadership |

TECHNICAL SKILLS

- Creo 7.0, UG NX 12.0, Inventor, Solidworks -Part Modeling, Sheet metal, structure, Drafting & Assembly
- Cable routing Proficient in Creo and Inventor, with Piping and tubing design in Inventor.
- AutoCAD Mechanical 2018
- Windchill, Teamcenter
- MS Word (Word, PowerPoint, Excel)

KEY ACHIEVEMENTS

- Employee excellence award for kaizen Implementations.
- Awarded **Star of the month** for best team member in particular month.
- Awarded **SPOT award** for significant contribution to project to its Deliverables.
- Always showing participation in PAN India CAD fest and Internal events.

WORK EXPERIENCE

Industrial Trainee (Tool Maker) - 06/2017 to 06/2018

Interplex Electronics, Bangalore.

New Tool Development (Moulding)

- New Mould tool development, Assembly and Cooperate with designers and Manufacturing team to achieve the Dimensions and Quality of the Plastic Components with Production.
- Work with customers to check with quality and deliveries at customer locations to ensure there are no defects and proper assembly of the components.

Associate Engineer – 23/01/2019 to till date

L&T Technology services, Chennai.

Power and Utility (Renewables)

PROJECTS ANNEXURE

Project 1	Solar Panel and its associated parts design with cable routing and Piping creations.
Client	Duke Energy_REC Solar, Renewables Company, North Carolina, USA.
Role & Contribution	Role: Design engineer Responsibilities: <ul style="list-style-type: none">➤ Design of Solar Modules in Autodesk Inventor Pro with Installation parts and assembly for Rooftop, Carport and Ground mount with complete Designing of electrical parts, conduit routing, cable and harness with complete site provided and deliver to customer.➤ Direct Interaction with Customer and Onsite engineer for new plans and installations taking leadership with responsibilities of deliverables and assigned tasks.

Project 2	Wind Turbine tower and its associated parts design
Client	Enercon, Windmill manufacturer, Aurich, Germany.
Role & Contribution	Role: Design engineer Responsibilities: <ul style="list-style-type: none">➤ Design of Towers and Foundation Baskets with UG NX for the construction of windmill including entire setup modelling inside the towers and coordinate the assembly with Hubs and nacelle and deliver to customer as per the input.➤ Conduct R&D for new Design and work for design for manufacturability and assembly with transport plans of the huge wind turbine elements and its associated components.

Project 3	Legacy updates of Design of Wind turbine for manufacturing team
Client	MVOW – Mitsubishi Vestas Offshore wind turbine
Role & Contribution	Role: Design engineer Responsibilities: <ul style="list-style-type: none"> ➤ Implementation of new Design changes for quick start of Manufacture of Long lead Products. ➤ The effected design parts alignment with proper assembly and clamping for further reduction of Play and reduced installation time. ➤ The new concept of turbine installation and safety platforms added to provide safer installation of Turbine in site. ➤ CAD collisions update with Cable and Hoses update with DFM made easy.

Project 4	Electromechanical Parts design with Cable routing in Wind turbine Associated Parts and alignment with stake holders.
Client	Vestas wind systems A/S, Aarhus, Denmark.
Role & Contribution	Role: Electromechanical Designer Responsibilities: <ul style="list-style-type: none"> ➤ Electrical parts Design and cable creation. ➤ New Concept design creation for Turbine internal parts. ➤ Alignment with stake holders and suppliers to ensure right model to provocative with Electrical design and input. ➤ CAD routing of cables with harness input and standards. ➤ Alignment with other teams and route the cables in there interface.

EDUCATION

- **Diploma in Tool and Die making (Mechanical Engineering) -74%**
Government tool room and training center, Dharwad.
- **SSLC – 73.4%**
Pavan English medium high school, Dharwad.

PERSONAL DETAILS

- Date of Birth : 13th Jan 1999
- Language Known : English, Kannada, Hindi
- Marital status : Single
- Address : S.M.Shiragavi, MIG IA 41, Chaitanya nagar, Kelgeri road, Dharwad. Karnataka 580001

Declaration: Sumeet Shiragavi
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Place: Dharwad, Karnataka, India.