A. Bhagya Lakshmi

No:243/6B4, Vallalar Street, Padur, Chennai-603103
+91 9791054415
Bhagyaavvaru742@gmail.com

Passionate Design Engineer with 9+ years of experience in product design. Expertise in designing heavy industrial components/sheet metal/plastic part by using UG NX and CREO delivering quality results by respecting project deadline and focused on customer satisfaction. Good in GD&T and Tolerance stack up analysis. I am highly motivated, creative individual with strong analytical, innovative mindset. I am looking to find a long-term position where my passion for development can be brought to projects.

PROFESSIONAL EXPERIENCE

FLSMIDTH PVT LTD   **Chennai, Tamil nadu**
Senior Lead Engineer   *September 2019–Present*

- Responsible for Product Design & Development of Heavy Machinery industrial equipment's like cooler using Autocad and Solidworks.
- Preparing 3D model and detailed design of the components as per the design specification and customer requirements.
- Responsible for BOM preparation, manufacturing drawings, Customer drawings (GA) as per the requirement.
- Preparing workshop instruction manuals and installation manuals etc for Customer reference.
- Design validation / Optimization with FEA tool ANSYS Workbench.
- Leading the projects right from Customer requirement analysis, Application analysis, Concept design and Product release.
- Responsible for making conceptual drawings, Equipment sizing and selection based on the customer requirement and process parameters.
- On-time project delivery for Heavy machinery components by ensuring quality and focused on customer satisfaction.
- Good knowledge in welding, fabrication and sheet metal design.
- Extensive experience in requirement or data gathering sessions with clients and participated in Cross Functional department activities.
- Project execution experience in ERP Products like SAP/Oracle for material management.

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SIEMENS LTD (Flender drives)   **Chennai, Tamil nadu**
Design Engineer   *Sept 2014–September 2019*

- Involved in design activities of wind turbine mechanical components like Gearbox and responsible for on-time projects delivery and to ensure the Quality of deliverables.
- Extensive experience in 3D Modelling of Casting components like wind gearbox components like planetary carrier, torque arm, housings etc, rotary components power transmission shafts and gears using UG NX/CREO and PDM/PLM tool Teamcenter.
- Good Knowledge in GD&T (ASME Y14.5M 1994) and can able to specify realistic tolerances using GD&T.
- Exposure in Tolerance stack up (Worst case technique).
- Basic knowledge on wind turbines / Gearboxes, Industrial gearbox and its applications.
- Arranging knowledge sharing sessions and 5s activities in my organizations which directly improved productivity.
- Knowledge on Cause & effect diagram/fishbone diagram/Ishikawa diagram for quality control.
- Knowledge on six sigma/DMAIC technique methodologies (Green belt certification by MSI)
- Knowledge on FMEA/ DFMEA risk assessments.

CADD CENTRE TRAINING SERVICES PVT LTD
Cad Engineer

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Bangalore, Karnataka
Sept 2013–Sept 2014

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- Expertise in Designing CAD tool Pro-E / CREO and UG NX.
- Good in Solid & Parametric Modelling.

EDUCATION

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
Bachelor of Science in Mechanical Engineering
Honors: Distinction (Overall percentage: 73.2%)

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Anantapur, A.P
May 2012

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ADDITIONAL SKILLS

- Proficient in MS Office (Word, Excel, PowerPoint) Outlook.
- Six sigma Green belt certification by MSI.
- Project management essentials certification by MSI
- Fluent in English, Tamil, and Telugu. Beginner in German A1
- Knowledge on DFMA process.

DECLARATION:
I hereby declare that all the information given above is true and best of my knowledge.

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BHAGYA LAKSHMI. A

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