

KARTIK.PATTANASHETTI.S

E-mail: kartikpattanashetti27@gmail.com

Mobile No: +91-8971425917

DOB: 22-10-1995.

Contact address:

Gangapuram Nagar,

Darga Jail Road,

Vijayapur-586103.

Carrier objective: -

Dedicated and motivated mechanical Product design engineer seeking a position in a fast growth organization. Proven skill sets in 3D product modeling, Developing, designing along with analytical and technical skills and proficient in processing complete documentation using SAP PLM module, as evidenced about 3.6 year of experience.

Professional summary: -

- Currently working in Intelizign Engineering Services Pvt. Ltd as a Design Engineer.
- Hands on Experience in 3D Routing and 2D Drawing preparation.
- Basic awareness about wiring harness drawing.
- Good Knowledge about UG NX 11.0
- BOM creation as per the wiring harness drawing.
- Knowledge about circuit schematic like Head lamp, Starting System, Horn, Stop Lamp, Turn Indicator.
- Knowledge about DFMEA.
- Successfully completed Capital Harness XC Training.
- Over 2.4 years of experience in diverse fields of Product design and Quality Engineer in Defense and Heavy structural equipment's.
- Hands on experience in Concept designs, 3D model & 2D drawing creation for Castings, sheet metal and assemblies.
- Experienced in handling projects related to Eng. changes and modifications.
- Proven ability to handle projects individually.
- Good knowledge in Geometric Dimensioning & Tolerances.
- Expert in various CAD software's like SOLID WORKS, UNIGRAPHICS-NX & AUTO CAD.
- Expert in WIRE HARNESSING in NX software.
- Expert in various CAE software's like ANSYS WORKBENCH, ANSYS ICEPAK.
- Expert in documentation using SAP PLM module.

Work Experience:

- 1.4 months worked as a Trainee Design Engineer in **BHARAT ELECTRONICS LIMITED, Bengaluru**, thru **GOODWILL ENGINEERING SOLUTIONS PRIVATE LIMITED.**

- About 1 year worked as Graduate Apprentice trainee in **BHARAT ELECTRONICS LIMITED, Bengaluru.**

Academic Qualifications:

- **B.E** (Mechanical) at BLDEA's Vachana Pitamaha, Vijayapur **2014-2017 (60.52%)**.
- **Intermediate** at, Tungal Science P.U college, Vijayapur **2011-2013 (63.8%)**.
- **SSLC** at Prerana's High School, Vijayapur **2011 (81.3%)**.

Software skills:

- **CAD** - SOLID WORKS 2021, UG-NX & AUTO CAD 2021.
- **CAE** – ANSY WORKBENCH, ANSYS ICEPAK.
- **SAP-PLM (END USER)**, SAP-MM.SAP-PP

Experience summary:

Company: BHARAT ELECTRONICS LIMITED, Bengaluru.

Design engineer Feb 2019 - July 2020. Department: D&E /

FCS-NAVEL SYSTEM

Company Profile:

BHARAT ELECTRONICS is part of Defense Aerospace & Naval Technologies Ltd. BHARAT ELECTONICS provides product design, Engineering and R&D services to Aerospace & Defense, and Energy sector etc.

Major Projects Handled in BHARAT ELECTRONCIS LIMITED:

Project Name: MTR

Client: INDIA NAVY Project

Description:

- **MTR** (MULTI TARGET TRACKING RADAR).
- Experience in Designing electronics enclosures, mechanical housings (frame structure's) Cabinets housings, card cages and RF components (mechanical frame structures) & fixtures for cabinets.
- Routed and tied wires to form wire harness used in electrical and electronic equipment using UG-NX.
- Calculating the bending radius of the wire and harnessing in software.
- Developing Engineering Design Concepts for Components & Electromechanical Assemblies That Have Demanding Requirements for Size, Precision, Reliability & Cost.
- Design and manufacturing follow-up of fixtures for cabinet and card cages to ESS Test
- Involved in selection of Gaskets for Leakage proof for IP65 and EMI&EMC shielding.
- Interacting and following up with production and fabrication team until part/product get manufactured
- Drawing conversion and drafting of GA, CGA, MP, PP, DL, SD, WL, drawings
- Interacting with other departments like Quality, Marketing, Testing and Materials
- Production control of TCU (Tracker control unit) cabinet of CGFCS project.

- Involved in QT checks to qualify the system to the customer as per MIL STDs JSS55555
- ESS Test like shock & vibration, high and low temperature, Rain shower test, EMI&EMC.
- Carrying out Technical Documentation- Creation and Modification of Drawings, Material BOM's, Bill of Materials (PL), Raising ECR's, Making Production Orders, and Letter Orders Using SAP.
- Creating Store Requisition for Material and Fasteners Collection for the Assembly Purpose.
- Creation of Routings in SAP and Responsible for the Process Time Allocation of In-House Manufacturing Parts.
- Structural analysis of antenna palette to find out the stresses & deformations on the component due to inertial loads using Ansys workbench.
- Modal analysis of antenna palette to determine the natural frequencies and mode shapes of the component.
- Transient response analysis is carried out on the antenna palette to determine the deformation, stresses & response of the system for given shock load. (half sine wave) (**Note testes were carried out as per JSS55555 standards test specifications.**)
- Frequency response analysis has been performed on antenna palette to analyze the response of the system under the constant displacement load which varies sinusoidal with respect to time.

Experience summary:

Company: BHARAT ELECTRONICS LIMITED, Bengaluru.

Trainee Design engineer Feb2018 - Feb 2019. Department:

D&E / FCS-NAVEL SYSTEM

Company Profile:

BHARAT ELECTRONICS is part of Defense Aerospace & Naval Technologies Ltd. BHARAT ELECTONICS provides product design, Engineering and R&D services to Aerospace & Defense, and Energy sector etc.

Major Projects Handled in BHARAT ELECTRONCIS LIMITED:

Project Name: SPD (SURGE FUSE PROTECTION BOX) & VSSAT ENSLOSURE.

Client: INDIA NAVY

Project Description:

- Carrying out Technical Documentation- Creation and Modification of Drawings, Material BOM's, Bill of Materials (PL), Raising ECR's, Making Production Orders, and Letter Orders Using SAP.
- Experience in Creating Drawings for Manufacturing Part (MP), Purchase Part (PP), General Assembly (GA), and Composite General Assembly (CGA).
- Creating Store Requisition for Material and Fasteners Collection for the Assembly Purpose.
- Creation of Routings in SAP and Responsible for the Process Time Allocation of In-House Parts.

Declaration:

I hereby declare that the above-mentioned information is correct up to my knowledge and I bear the responsibility for the correctness of the same.

Place: Bangalore

(Kartik.s.p)

