

K.G.GOGULNATH

Contact Details:

**Address: M 1/6 Anna University
staffquarters Guindy Chennai-
600085.**

Mobile: +91- 9384682444/8939151558

Email: kggogulnath@gmail.com

PROFESSIONAL EXPERIENCE:

Have been working as a **Technical Support Engineer**.

Projects:

Design and Analyzing: Using SolidWorks, Catia, Unigraphics, Ansa, And Ansys Workbench.

Non-Destructive Testing; Several projects were Completed with Multi NDT Procedures.

Key Responsibilities:

Design & Development:

AU-FRG Institute of CAD/CAM– Chennai. (Freelance).

From (May 2023- Present)

- Designing Prototypes based on the Customer Requirements.
- Analyzing using Modal, Vibration, Linear Static and Thermal using FEA Ansys Workbench.
- Being a Team Player in project management of the organization. Worked on complex geometries, addressing challenges related to thin-walled structures, attachment points, and multi-material interfaces.
- 3D Printing and Prototyping: Proficient in designing, slicing, and creating 3D models using Flash Forge and Chittu box slicing software.
- Hands-on experience with Polylactic acid filament (PLA) Stereolithography (SLA) and Digital Light Processing 3D printing technologies. Successfully executed multiple prototyping projects.

Qtech Inspection Services - Chennai.

Technical Support Engineer (Non-Destructive Testing) – from April 2021 – May 2023 (2 years)

Key Responsibilities:

- Performing Tests in Structures, Castings, and Welded Joints. Preprocessing and Meta processing using ANSA & FEA Using Ansys.
- Designing Structural material using CatiaV5, SolidWorks& Stadd Pro
- Design and developing Structure design for components as per customer data.
- Supervising during the Erection and Fabrication of Prototypes.
- Generation of Reports and Bills.
- Project managing with Vendors, Contractors, and Customers.
- Intercepting Test Results of the Test Taken in Customer Place.
- Handling Manpower.
- Generation of Reports and billings of all work carried out by the organization.

EESH INTEGRATORS AND CONTRACTORS - Chennai.

Junior Design Engineer- from May2019 -- April 2021- (1 year& 11 months)

Key Responsibilities:

- Design and development for automobile components as per customer standards.
- Modification and correction work as per customer input data.
- Developing Test track design as per the model and preparing simulations.
- Developing 2D drawings for a complete compression testing machine and its types of equipment with standard tolerances.
- Developing assembly drawings for complete machine design.
- Drafting Sensor Locations in Bridge Health Monitoring System.
- Preparing bill of materials for complete Designed parts.

EDUCATIONAL QUALIFICATION:

- ✓ **Pursuing – B. TECH** (Mechanical engineering) - Part-time – at **SRM University**, Ramapuram- Chennai.
- ✓ 2020-Post diploma in Manufacturing design - CADD CENTRE CHENNAI completed with an academic aggregate of **89.53%**.
- ✓ 2019- Diploma in Mechanical Engineering (**DME**) – Kongu Polytechnic College- Perundurai, completed with an academic aggregate of **68%**.
- ✓ 2016- School of Higher Secondary Curriculum (**HSC**) – M.P. Aanandh MATriculation –Chennai.
- ✓ 2014- Secondary School Leaving Certificate (**SSLC**) curriculum –Anna Gem Science park matriculation HigherSecondary School, aggregate of **74%**.

SKILL SET:

- Catia V5
- SolidWorks
- UG NX
- Fea using Ansys.
- AUTOCAD
- GD&T
- MS-Office 360.
- Non-Destructive Testing
- ANSA CAE preprocessing and solving.
- Data Visualization Using Power BI.

CERTIFICATIONS:

- Completed Master Diploma with Efficiency in Manufacturing Designs By CADD CENTRE.
- Completed Non-Destructive Testing and Certified as **ASNT NDT LEVEL-II** by Qtech Institute of NDT.
- Completed Training on Ansa CAE and FEA using Ansys By AU –FRG institute of Cad Cam anna University Chennai.
- Completed Training and Certified Data Visualizations: Empowering Business with Effective Insights. Framing the Business Scenario, Choosing the Right Visuals, Creating Effective Visuals, Communicating Insights and Analysis. By Forage and TATA Virtual Training.

PERSONAL DETAILS:

Father name: S.P.Govardhana Giri

Date of birth: 15/06/1999

Hobbies: Travelling, Listening Music.

DECLARATION:

I declare that the information and facts stated above are true, correct, and complete to the best of my knowledge and belief.

Date :

Place:

K.G.Gogulnath