

# Karthikeyan M

## Mechanical Design Engineer

Skilled Design Engineer with over 3 year of experience in the manufacturing industry. Problem solving and analytical abilities with superb attention to detail. Better knowledge of the manufacturing process and the development of equipment and production lines. Outstanding design and conceptual skills with the motivational abilities to lead a team. Dedicated to producing the best work, following safety measures, and meeting and exceeding project requirement and standards.



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## TECHNICAL SKILLS

UG NX

TEAMCENTER

SOLIDWORK

AUTOCAD

WINDCHILL

MS-Office

Tool Design (Die, Moulding, Trimming, Coining)

## LANGUAGES

ENGLISH

*Professional Working Proficiency*

TAMIL

*Native or Bilingual Proficiency*

## INDUSTRY KNOWLEDGE

Feasibility Analysis

Engineering Drawing & Drafting

2D & 3D Modelling

Sheet Metal Design

## WORK EXPERIENCE

### Mechanical Design Engineer

VEGA Intellisoft Pvt. Ltd ,Chennai Client Company: UCAL LIMITED, Chennai

11/2023 - Present

*Job Responsibilities*

- Design and Development of Plastic and Rubber components and Automotive systems by using UG NX & Teamcenter Softwares.
- Reverse Engineering process and developing the component as per customer requirements.
- Design and Development of E-Horn, Throttle Grip Sensor,USB Charger,Flasher,DC DC Converter Plastic Part and Rubber components.
- Develop and implement cost-effective manufacturing processes.
- Create and maintain detailed technical drawings and specifications.
- Work with other engineers and technicians to ensure projects are completed on time.Prepare technical reports and presentations.Provide technical support to other departments.

### Mechanical Design Engineer Trainee (CAD & CAM)

MM Forging Limited,Chennai

03/2022 - 11/2023

*Job Responsibilities*

- MM Forging to be involves in the field Manufacturing of Auto components such as Arm knuckle, Connecting rod, Crankshaft, Universal joint cross, Front/ Rear axle spindle, Double yoke and also non- Automotive components such as High pressure valves through Hot Forging, CNC and VMC Machining Process with global level customers.
- Prepare Forging model from the customer machining model using Teamcenter
- Modelling and CAM for Forging Dies, Trimming Tools and Coining Tools by using Unigraphics NX CAD and Team center
- New product development time plan and sample production follow ups.Prepare and document the Work Instructions for all new products.

## EDUCATION

### BE- AUTOMOBILE ENGINEERING

University College of Engineering,BIT campus,Anna University,Trichy

05/2016 - 11/2020

CGPA

▫ 6.41

### HSC

Government Boys Higher Secondary School,Keeranur, Pudukkottai

05/2015 - 05/2016

*Percentage*

▫ 83.25%

### SSLC

Government Boys Higher Secondary School, Keeranur, Pudukkottai

*Percentage*

▫ 91.2%