**ROSHANI HANAMANT KORAKE**

Mobile: +91 8793740101 Email: [roshani30694@gmail.com](mailto:roshani30694@gmail.com)

LinkedIn Profile: https://www.linkedin.com/in/roshani-korake-6245a5101

Looking for challenging career opportunity in a reputed organization

Experienced Mechanical Design Engineer with a demonstrated history of working in Automotive industry (Forging Die Design).

**Profile Snapshot:**

* Proficient in **3D CAD tools (CATIA V5, UG Nx10, 11), 2D CAD tool (AutoCAD 17)** and the drawings reading and its interpretation.
* Strong inclination towards **Design and Development**.
* Projects done on Design, Development & Modification of forging components.
* Working on projects to detailed design along with, modeling, assembly & drafting-with Manufacturing Techniques.

**Professional Experience: -**

**Company:** Trinity Engineers Pvt. Ltd. Chinchwad, Pune.

**Period :** From February 2017 to Present.

**Designation:** Design Engineer

**Project Experience Summary**

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| **Project Title** | Design, Development & Validation of Forged parts of Carraro India Pvt Ltd, Wheels India Ltd, Force Motors Ltd, Tata Motors Ltd, MAN Trucks India Pvt.Ltd |
| **Project Description** | Converting customer part drawing into Forging drawing. Modeling on 3D software. Simulation of the part to validate the process. Preparing process flow documents to fix the process. |
| **Project Type** | Forging Die Design |
| **Computer Aided Design Softwares** | Unigraphics NX10 & NX11, Catia v5.0 & AutoCad 2017. |
| **Analysis Softwares** | Deform 11.0, Simufact |

**Responsibilities:**

* Estimation of Enquiry.
* Co-ordination with Customer If any change required with manufacturing aspects.
* Design, Development & Modification of Forging Component & designof toolings eg. Preorm dies, trim tools, hot padding dies, coining dies etc. as per manufacturing feasibilities.
* APQP meeting with CFT Team.
* Validating Design using simulation software by observing cracks, underfilling , grain flow, temperature variation, load on die, die stresses etc.
* Preparation & Generation of manufacturing drawings.
* Preparing PPAP documents such as PFD, PFMEA, Control Plan.
* Co-ordination with Tool room, Production & other department.
* Preparing documents like New product code entry, Raw material sheet, Engineering Change Note etc.

**Achievements:**

* Planning & co-ordination involved in project execution to satisfy customer by developing components within lead time & first time right successfully.
* Fleshless forging design.

**Conference attended:**

* 7th ASIAForge Meeting 2019, Chennai

Based on the learnings from the conference project undertaken”To optimize Energy utilization of machine by bringing impression close to the centre of unit.

**Education Profile:**

* B.E in Mechanical Engineering from Solapur University in 2016 with 65.19%.
* H.S.C. through Pune Board, Maharashtra with 82% in 2012.
* S.S.C. through Pune Board, Maharashtra with 92.73% in 2010.

**Academic Projects:**

**BE Project:**

|  |  |
| --- | --- |
| **Project Title :** | Design Development and Manufacturing of Braking System of FSI car. |
| **Project Description :** | To develop a design framework for the FSAE racecars braking system including the potential to manufacturing and implementation of the proposed design into indicated vehicle. A list of tasks undertaken as part of the project is given below.   * Data collection and compilation as per the Design in FMEA guidelines. * Benchmarking * Brake design and analysis * Conduct Engineering Specification Tests * Conduct Design of Experiments for vehicle test and trials * Develop containment and corrective actions * Initiate engineering changes * Trend Analysis * Report generation |

**TE Project:**

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| --- | --- |
| **Project Title :** | Basic study of Braking System of an Automobile & different advancements in it for the ride and comfort of passenger. |
| **Project Description :** | Study of Braking system and advancements in it such as Antilock Braking System is done. |

**Publication:-**

Technical paper **”Root Cause Analysis using Global Eight Desciplines (G8D) for braking system of High speed car”** published at third internationl conference on Industrial engineering organized by Indian Institution of   
Industrial Engineering, NHQ-Mumbai.

**Personal Details:**

* Date of Birth: 30 June 1994 .
* Permanent Address: 102 D 123 Ghongade market, Bhavani Peth, Solapur.
* Languages: English, Hindi, Marathi.
* PAN No.: EKNPK6483G

**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 above-mentioned particulars.

Date:

Place: Solapur

Yours Sincerely

**(Roshani Hanamant Korake)**