Akshay Khapekar

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**Date of Birth** 19th Dec 1991

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Career statement.

 As learning is a never ending process, I want to continue learning and develop new skill sets in the field of mechanical engineering and contribute my best through my learnings and skills for the development of the organization.

Experience (1 year 10 months).

* GET (cad engineer) | bharat forge ltd | 2nd oct 2014- 06th aug 2016
* 3D-Modeling and assembling of the automotive components like Crankshafts, Front Axle Beam, Stub Axle, Connecting Rods.
* Interfacing with product design & development for necessary modifications in component and tooling design for manufacturability of component.
* Stack-up analysis of the different automotive component.
* Have sound knowledge about GD&T, Basic Jig and Fixtures Design Principle.
* Preparation drawings form 3D Models to 2D drawings.
* Reverse engineering of scanned components.

Certifications and membership.

* Advanced Geometric Dimensioning and Tolerancing in Design Through Manufacturing( ASME Certified)
* Membership Certification of American Society for Mechanical Engineer (ASME).
* CAD Course In Kalyani Technologies Ltd. (1 Year Intensive On Job Training Certification Course).
* Autodesk Certificate for AutoCAD 2D.

Education.

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| --- | --- | --- | --- | --- |
| Degree | Name Of Institution | University | Year Of Passing | Percentage |
| B.E(Mechanical engineering) | St Vincent Pallotti College Of Engineering & Tech, Nagpur | RTMNU, Nagpur | 2013 | 63.52 |

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| --- | --- | --- | --- | --- |
| Examination | Board | Institute | Year Of Passing | Percentage |
| HSC(Electronics science) | Maharashtra | Shri Umiya Shankar Narayanji Jr. College, Nagpur | 2009 | 82.33 |
| SSC | Maharashtra | Shri Rajendra high school Mahal, Nagpur | 2007 | 82.00 |

Academic Projects:

* **Final year Project**
* Title Heat Transfer Augmentation In Heat Exchanger Using Wire-Mesh
* Description The project involves about a study of the water-air heat exchanger using

 Wire mesh with a variation in water flow rate and to develop

 Correlation between the actual and theoretical results.

* Duration 150 days.
* Team Size 8 members
* Responsibilities
* Managing team and overall project technical related activities. Project development activities such as requirement gathering, designing, pumping power of heat exchanger.
* Budget and cost estimation of project, selecting material for construction, fabrication of heat exchanger.
* Preparation of the CAD assembly and motion simulation of heat exchanger on catia v5.
* Performed experiment and classified result imperially by calibrating parameters flow rates, thermocouples.

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* **4th semester project**
* Title Hydraulic lift
* Description The project was about the performance of the hydraulic lift

 And calculation of the maximum load that it can sustain practically and

 Theoretically.

* Duration 75 days.
* Team Size 3 members
* Responsibilities
* Hydraulic load calculations.
* Preparation of detail project report.

Technical skills.

* Unigraphics NX 10 (3d modeling, surfacing, drafting, assembly).
* AutoCAD ( drafting).
* Catia V5 R20.
* Familiarity with MS word, excel, PowerPoint.

Hobbies and skills set.

* Ability to work hard, quick learning ability, Good problem solving ability, Team Player.
* Strong qualitative and analytical skill.
* Photography, drawing and painting, cooking.

 Declaration.

I hereby declare that the above written particulars are true and correct to the best of my knowledge and belief.

Date:

Place: (AKSHAY RAMESH KHAPEKAR)