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## MECHANICAL ENGINEER

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|  | | |  | | --- | | PROFILE & VALUE | | * An academically qualified and a passionate Mechanical Engineer with experience in lubrication management system and preventive maintenance in a production environment * Possess good knowledge of design tools such as Solid Edge, Solid Works, ANSYS Workbench and production application such as Swansoft CNC * Broad-based experience in independently handling Coolant Management System including gathering requirements on metal cutting/metalworking, machinery details, recommending the right coolant combination, conducting trial runs and supporting the implementation of coolant system in the shop floor * Gained ample knowledge in planning and executing total preventive maintenance * Experience of working on production machines such as Turning Centers, Machining Centers (VMC & HMC), Grinding, Honing and various other metal working machines * Adept in diagnosing maintenance related problems and resolving them to avoid machine downtime * Competent in working with cross-functional teams in maintaining a hassle-free production unit * An exceptional communicator possessing excellent interpersonal and team qualities * Deft in prioritizing tasks and getting things done within the agreed timelines and quality specifications |  |  | | --- | | SKILLS SNAPSHOT | |  |  |  |  | | --- | --- | | CAREER PROGRESSION | | |  | April 2017 – November 2017  **VAS Tribology Solutions Pvt Ltd.,**  Jamshedpur, Jharkhand  Site Engineer | | Highlights   * Handled top-notch clients such as Tata Motors Limited – Engine Division, Jamshedpur and Hero MotoCorp, Haryana * Responsible for monitoring the performance of hydraulic oil, cutting oil, coolant oil and assisting the maintenance team in resolving issues about lubrication * Conducting test on the coolant including viscosity, concentration, pH, particle count, hardness, moisture content test, recording and documenting test results * Single point of contact for managing manpower, maintaining inventory of coolant, lubricating oil, hydraulic oil, report maintenance and safe disposal of coolant and used oil * Planning and executing measures as per the instruction of the Engineering team to support zero breakdown due to lubrication * Had opportunity to observe various troubleshooting process on machinery, foreseeing and resolving problems * Recommended changes in the choice of oil grades based on changes in cutting/machine conditions to improve productivity * Authored case studies on the impact of lubrication system on various machinery and processes * Key achievement include – evaluating the reason for emulsification of Hydraulic Oil (HYD 68) used on a honing machine, was reported to the Senior Management for immediate remedial actions | |  |  |  | | --- | --- | |  | Sep 2016 – Apr 2017  **National Institute of Technology**  **(NIT – K)**  Department of Mechanical Engineering  Research Assistant | | **Highlights**   * Worked on the circular clinching process of sheet metal forming * Conducted parametric analysis of clinching using ANSYS, compared and documented them against practical values * Chose the best dimensions for the analysis of circular die and punching tools | |  |  |  | | --- | --- | | INTERNSHIPS | | |  | Jul 2015  **Hindustan Aeronautical Limited**  Aircraft Division | | * Gained exposure to machining process of nuts, bolts, rivets, screw and other fasteners * Witness metal sheet forming, welding, chemical coating and heat treatment * Had a chance to observe weapons, cockpit, wings, electronics, tool and final hawk assembly | |  |  |  | | --- | --- | |  | Mar 2017  **National Institute of Technology**  **(NIT – K)** | | * Participated as a volunteer in a two day workshop organized on topic “Machines & Mechanism – Kinematics, Dynamics and Computational Tools” * Supported the organizing efforts, prepared and submitted a report on the entire workshop | |  |  |  | | --- | --- | |  | Nov 2012  **Technophilia Limited, USA** | | * Participated in a two day workshop on light, sound and sensor based robot * Had a hands on experience on building robotic structures | | |
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| **Qualification**  ACS College of Engineering  Visveswaraya Technical University, India (Jul 2016)   * *Bachelor in Mechanical Engineering* * *Aggregate: 64.5%*   Central Board of Secondary Education (Mar 2011)   * *Higher Secondary School Certificate* * *Aggregate: 71.4%*   Karnataka Secondary Education Examination Board (Mar 2009)   * *Secondary School Leaving Certificate* * *Aggregate: 88.96%*   Software Skills   * *Solid Edge* * *ANSYS Workbench* * *Swansoft CNC* * *Solidworks* * *ABAQUS* * *MS Office*     **Extra-Curricular**   * Active member of Society of Automotive Engineers (SAE) India. * Participated in quiz competition organized by Indian Institute of Science (IISc) 2015. * Attended Technical Seminar on ‘Recent Advancement in Information and Technology’ held at INFOSYS Bangalore, 2013. * Won table-tennis competition at college level for 4 consecutive years (2013-16) * Won cash prizes and medals in fashion show at inter and intra college levels   **Personal Information**  Linguistics   * *English, Hindi & Kannada*   References   * *Available on request*   VISA Status: Visit Visa  VISA Validity: 10th Feb 2018 | |
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