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# BINAY

## 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
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| SKILLS SNAPSHOT |
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| CAREER PROGRESSION  |
|  | April 2017 – November 2017**VAS Tribology Solutions Pvt Ltd.,**Jamshedpur, JharkhandSite 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
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|  | 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
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| 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
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|  | 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
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|  | 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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| E: binay.374464@2freemail.com Sharjah-UAE |
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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 VisaVISA Validity: 10th Feb 2018 |
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