**AJINKYA MILIND PITRE**

**Address: Plot No 430, “Vasant”, Godsewadi, Mandoli Road, Belgaum, 590006**

**Mobile: (+91) 8291020399, 9480786399**

**Email: ajinkya.pitre@gmail.com**

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| **Profile Summary** |
| Mechanical Engineer with 2 years of diverse experience in Aerospace Industry, Industrial Safety Systems, targeting the fields of Research and Development, Product/Process Development, Design and Manufacturing Engineering. * Strong fundamental engineering concepts and ability to apply them to obtain results.
* Handled roles in multiple departments like Tool design, Manufacturing, Process Engineering, ASME testing and Metallurgy.
* Proficient with use of ASME, ASTM, ISO and AGMA standards.
* Competency in the following Technical Tools - Autodesk Inventor, PTC Creo 3.0, MasterCAM, LabView, Minitab, Autodesk Vault, J.D. Edwards ERP, E2 ERP, SolidEdge, C, C++, Microsoft Office.
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| **Personal Data** |
| Gender:D.O.B:Languages’ known: | Male17/8/1991English, Hindi, Marathi, Kannada. |
| **Work Experience** |
| Company :Position:Job Profile:Notable Projects:Certification: | **Rave Gears India Ltd, Mumbai, India**Manufacturing Engineer [Sept 2016 –Present]Developed Manufacturing Processes and Drawings, Heat Treat Procedures, Standard Operating Instructions for Aerospace and Automotive (NASCAR racing ) spiral, spur and helical gears As part of a process improvement, developed a program to automate the creation of manufacturing routing/process sheets wherein the program automatically creates the entire Manufacturing routing sheet based on logical parameters entered by the engineer which led to savings of upto 60 % of time required to manually create a routing sheet.Attended a 6 day specialization course on “**Design of Gearbox**” organised by Indian Machine Tool Manufacturers Association (IMTMA), Gurgaon in April 2017. |
| Company:Position:Job Profile: | **Fike Corporation, Blue Springs, Missouri, USA**Mechanical Engineering Intern[Feb 2015- Feb 2016]Tool design* Worked extensively on Autodesk Inventor 2015 software to design test tooling, jigs, fixtures for various capacity presses, laser equipment.
* Revised old 2D drawings to 3D format on Autodesk Inventor software and created associated change orders.

Test and Measurement* Performed burst, flow and cycle testing of rupture discs (1” to 12”), vents and combination testing with valves in an ASME certified Flow Lab to determine their flow resistance “Kr” and other performance characteristics as part of ASME certification.
* Performed data acquisition and other test control operations using LabView software.

Metallurgy* Performed microscopic examination of welds, joints, surface coatings as part of product failure investigation per ASTM standards.
* Performed tensile testing of gas cylinder bottles as part of DOT certification.
* Obtained hands on experience in using various metallurgical operations on tools like linear precision saw, hardness and tensile tester, surface grinding and polishing machine.

Process Improvement* Prepared operating instructions and data sheets for newly developed processes and purchased equipment.
* Worked with the O.E team in implementing 5S and other process improvement initiatives in the machine shop.
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| Company:Position:Job Profile: | **Nirman Engineering** Production Planning Trainee [Aug 2014- Feb 2015]* Plan production activity such as availability of raw materials, tooling, drawings to achieve planned delivery schedule.
* Worked under supervision in developing a 3” Ball Check Valve for a reputed global company.
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| **Education** |
| Highest Study:College/University:Accomplishment: | Bachelor of Engineering with majors in Mechanical Engineering [2010-2014]Gogte Institute of Technology, Belgaum1. Stood 1st in the branch Mechanical Engineering with 85.32 % and was awarded "**Best Outgoing Student of 2014**" of the college for the 2. Project Entitled "Driving Accessory for Handicapped" was awarded the "**Best Mechanical Engineering Project (2014)"** in the entire state of Karnataka by the Karnataka State Government. |