

Ashwin Puthan Purayil

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QUALIFICATIONS SUMMARY	• 3+ year of experience in the design and development of various sheet metal & plastic components using CATIA, Creo/Pro -E and other CAD programs. • Worked on Tier 4 final machines (Motor Graders), Benchmarking & Modular Design
EDUCATION	ROCHESTER INSTITUTE OF TECHNOLOGY, Rochester, NY <i>Sep 2012 - Dec 2014</i> • Masters of Engineering, Mechanical Engineering GPA: 3.8/4.00 • Awarded scholarship to pursue Masters in Mechanical Engineering CADD CENTRE, India <i>July 2011 - March 2012</i> • Master Diploma, Product Design and Analysis ANNA UNIVERSITY, Chennai, India <i>August 2007 - May 2011</i> • Bachelor of Engineering, Mechanical Engineering FIRST CLASS
WORK EXPERIENCE	GOKEN AMERICA (ONSITE HONDA R&D AMERICAS INC) <i>Feb 2015 – Present</i> Staff Engineer • Designed and developed sheet metal and plastic components in the upper body design group • Developed design concepts and product design of various BIW components using CATIA V5 to meet system requirements and specification to achieve best fit & finish, structural, NVH & crash performance while meeting various federal regulations. • Worked in the development of aluminum roof, gutter and fender components of automobile to meet system targets for function, cost, weight & manufacturability. • Performed tolerance stack-up analysis and created engineering documents. VOLVO CONSTRUCTION EQUIPMENT, Shippensburg, PA <i>Sept 2013 – Dec 2014</i> Design Engineering Co-op • Utilized CAD (CATIA) and PDM (SmarTeam/Windchill) to create bill of materials, solid models and drawings. Released Design Change Notices, components into production by collaborating with attribute leads, cross-functional engineering and manufacturing teams • Achieved cost reduction target across the Motor Grader product line by creating a custom Visual Basic script in CATIA. • Worked in the DFMEA and benchmarking projects. • Assisted the engineering team in the design & durability improvement by utilizing Finite Element Analysis (FEA), kinematics and dynamic analysis. • Revised product standards for Tier 4 final machines. ROCHESTER INSTITUTE OF TECHNOLOGY, Rochester, NY <i>Sept 2012 - Feb 2013</i> Graduate Teaching Assistant • Conducted FEA Lab, graded homework & lab reports, and answered students' questions CADD CENTRE, India <i>May 2012 - July 2012</i> Instructor • Instructed ANSYS, CATIA, NXCAD (Unigraphics NX) INDIA PISTONS LIMITED, Chennai, India <i>Jan 2011 - Mar 2011</i> Engineering Internship • Optimized CNC lathe parameters and implemented material coating to improve tool life.