**Diveash Adnani**

221 Bridge Ave, ON, N9B 2M1| **Phone:** 905-922-2250 | **Email:** [diveashadnani@outlook.com](file:///C:\Users\Diveash\Downloads\diveashadnani@outlook.com)

**Highlights of Qualification** 

* Mechanical Engineering Graduate with over 3 years of hands-on work experience in an automotive testing, research & development environment
* Excellent leadership and project management skills showcased by leading durability projects from start to finish; thereby continuously instructing, coordinating and monitoring the work of union workers and off-shift engineers to ensure project requirements are met during contract position as Durability Test Engineer at Fiat Chrysler Automobiles (FCA) Canada
* Outstanding problem solving capabilities exhibited by troubleshooting simulator performance tuning and conducting durability issue investigations for achieving best test results of prototype vehicles during contract position as Durability Test Engineer at Fiat Chrysler Automobiles (FCA) Canada
* Passion for innovation and continuous improvement demonstrated by continuously improving equipment operations, process optimization and Safety within facility through the application of Lean principles throughout contract position as Durability Test Engineer at Fiat Chrysler Automobiles (FCA) Canada
* Effective presentation and communication skills showcased by reporting daily durability inspection results of test vehicles to product engineering team in form of incident reports and attending test issue report meetings to present findings from durability issue investigations
* Proficient in learning new soft wares illustrated through learning effectively the operation of servo hydraulic simulator using Flextest and MTS RPC Pro software platforms to conduct testing throughout contract position as Durability Test Engineer at Fiat Chrysler Automobiles (FCA) Canada
* Ability to work independently demonstrated by working individually as the only present engineer during off-shift hours and managing multiple projects concurrently without any supervision during contract position as Durability Test Engineer for Fiat Chrysler Automobiles (FCA) Canada
* Proficient with Microsoft Office (Word, Excel, PowerPoint, Outlook) ; created spreadsheets, manuals, presentations, schedules and technical reports following documentation guidelines as part of lab and engineering projects
* High skilled user of CAD with over three years of experience in using AutoCAD, SolidWorks and UG NX gained through summer coop position as Project Coordinator and engineering coursework

**Work Experience**

**Durability Test Engineer [August 2016 – Present]**

*Fiat Chrysler Automobiles (FCA) – Windsor, Ontario*

* Conducted durability testing of vehicles to evaluate performance of vehicle body and chassis structures of prototype vehicles in a controlled lab environment using real time servo-hydraulic actuated systems
* Coordinated and instructed mechanics to perform specimen builds, installations, repairs and teardowns by preparing work orders in a very detail oriented manner
* Acted as Lead/Project Engineer to lead durability testing projects from start to finish by ordering specimen parts; instructing, monitoring and coordinating work of mechanics and off-shift engineers to ensure project requirements are met within the timeframe
* Attended test issue reporting meetings and conducted durability issue product investigations with cross functional team of engineers and technical specialists throughout the product development process
* Conducted daily durability test inspections of test vehicles; communicated them to Product Engineering team through documenting test incident reports on daily basis
* Collaborated work with Mechanics supervisor, Mechanics, Industrial Mechanics, Maintenance & Facility teams to troubleshoot servo hydraulic systems and ensure test objectives are met with no compromises to Health & Safety regulations
* Utilized World Class Manufacturing (WCM) system for continuous improvement of Equipment Operations, Process Optimization & Safety within the facility using Lean Manufacturing principles such as Kaizen, Kanban & 5S

**Engineering & Operations Support [May 2014–April 2015]**

*Automotive Center of Excellence (ACE) – Oshawa, Ontario*

With assistance of ACE Engineers and Technicians:

* Instrumented and executed road simulation testing of automobiles in Climatic Wind Tunnel (CWT) and 4-post shaker platforms
* Troubleshoot and improved maintenance of piping, HVAC, Refrigeration, servo-hydraulic actuated systems of the facility for efficient operations
* Developed and documented engineering technical procedures and operation protocols to improve the safety of clients, contractors and employees
* Ordered equipment supplies for assembly using project bill of material(BOM) and technical drawings (GD&T)
* Led tours of the facility enthusiastically to students, clients and potential customers

**Project Coordinator/Mechanical Engineering Assistant [May 2013–Aug 2013]**

*Mechdes Engineer – Mumbai, Maharashtra*

* Coordinated operations by overseeing concurrent projects with tight deadlines to manage production with sales of CAD 60,000
* Improved process efficiency and computed cost of the manufactured product by conducting time/efficiency study analysis on the fabrication, welding and assembly lines
* Prepared product reports routinely and presented to the engineering manager detailing the development and costs of manufactured product
* Utilized CAD (AutoCAD) to update standardized work floor documents

**Engineering Projects**

**Development & Validation of Test Procedure (Capstone) [Sept 2014–April 2015]**

* Led a team of six to propose design specifications for 401 highway ramps of Ontario to accommodate trucks to move with low speed maneuverability and high speed stability
* Simulated and analyzed dynamic behaviour of trucks on 401 highway ramps under Canadian Winter pattern by using a software package called Truck Sim
* Monitored project progress, analysed resources and managed workflow schedule by utilising Microsoft Project to create Gantt & PERT charts, timelines & CPM
* Maintained and organized proper documentation including bi-weekly progress reports, technical drawings, action plan, timelines, cost estimates and provided it to superiors

**Education**

**Bachelor of Engineering (Honours) – Mechanical [June 2015]**

University of Ontario Institute of Technology, Oshawa, Ontario

**Extracurricular Activities / Volunteer**

**Marketing Coordinator**  **[Sept 2012–Aug 2013]**

*American Society for Mechanical Engineers (ASME) UOIT - Oshawa, Ontario*

* Promoted the club throughout the university by hosting seminars and event registration
* Organized and marketed various projects including Power & Energy Seminar and tour of the ACE facility for students
* Coordinated and managed the communication flow among club executives, its members and the university