



# DIKSHA SHARMA

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*Seeking opportunities in Project Management/ Research & Development/ Process Management/ Quality Assurance/ Innovation in Technical and non-Technical fields with a leading global organization*

## PROFESSIONAL SUMMARY

- A skilled Mechanical Engineer with hands-on experience of 5+ years in various facets of Project Management, Quality Management, Process Management, Analysis and Resolutions, Innovation and On-time Deliverables
- Enthusiastic professional with rich analytical acumen in driving improvements and acknowledged for consistently ensuring First Time Right Quality & On-Time Delivery throughout
- Frequently selected for handling critical & urgent stack requests and steer benefits to the design/assembly of engine components
- Certified Black Belt in Design for Six Sigma through General Motors University
- Appreciated for singlehandedly leading DFSS projects, delivering best-in-class customer solutions, ensuring 100% accuracy, structuring innovative tools to elevate efficiency & productivity levels
- Spearheaded various Corporate Social Responsibility Projects and organized multiple Cultural activities for more than 300 employees.
- Keen Learner & Consistent Performer with a track record of showcasing innovative & solutions-focused approach and staying at the forefront in resolving critical issues/problems; strong organizational skills and ability to work with people from diverse background

## EDUCATION

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| • B.Tech. – Mechanical and Automation Engineering, <b>Indira Gandhi Delhi Technical University for Women</b> | <b>Delhi, India</b> |
| • Higher Secondary, (CBSE, A.I.S.S.C.E), <b>Maharaja Aggarsain Adarsh Public School</b>                      | <b>Delhi, India</b> |
| • Secondary, (CBSE, A.I.S.S.E), <b>Maharaja Aggarsain Adarsh Public School</b>                               | <b>Delhi, India</b> |

## WORK EXPERIENCE

**Tata Consultancy Services**, Bangalore, India; <https://www.tcs.com>

Oct' 19 - present

System Engineer

- Analysed components of IC and Hybrid Engines under Engine Design department for ensuring proper assembly and provided mathematical values to designers in North America & Korea
- Spearheaded team deliverables with on-time delivery and first-time quality check
- Worked on various components of engines, battery packs; delivered presentations on technical topics; managed team meetings

### Special Achievement:

Enhanced an excel tool named "Calculation of overall bolt length for short and very short MAT point bolts" by adding more features and reducing execution time.

**General Motors Technical Centre**, Bangalore, India; <https://www.gm.com>

Jan'17 – Sep'19

Engineer (Tolerance & Stack Analyst)

- Performed tolerance & stack analysis(2D) for IC engine components under Global Propulsion System(GPS) department for ensuring proper assembly
- Provided accurate mathematical values to designers in North America & Korea while ensuring a first time right quality & on-time delivery of components
- Worked on components for over 4 different types of engines; conducted meetings & delivered presentations on technical topics

### Special Achievement:

Structured excel tools for driving efficiency amongst analysts by reducing overall time taken in process execution

- Received training in various departments: Analysis, Process Management, Design, Quality Management
- Served as a critical resource for a process improvement project namely "Calculation of Area and Parameter of two overlapping circles"

#### Highlights:

- Led a CSR Innovative project VIKAS (Visual Intervention Kit for Autism Struck Children) based on developing an economic kit for children with cognitive disabilities
- Pivotal resource, lead and coach for Design for Six Sigma (DFSS) projects:
  - Certified Black Belt in DFSS; contributed to 4 projects (General Motors University):
    - Optimisation of the design of lower crankcase of an engine by improving the safety factor
    - Macro based tool to fetch parts used in stack path
    - Calculation of Area and Perimeter of two overlapping circles
    - Calculation of overall bolt length for short and very short MAT point bolts
- Received appreciations for:
  - Developing a tool for calculation of overall length of MAT point bolt
  - Handling urgent and critical requests and providing customer-focused & tailor-made solutions
  - Conducting team engaging activities at the site and in the virtual world for more than 300 employees

#### CERTIFICATION

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- Certified Project Management Professional from Indian Institute of Management, Kozhikode.
- Design for Six Sigma black belt certification by General Motors University.

#### TRAININGS

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- Project Management Professional Training
- X-SDE Engine teardown (Disassembly & Assembly of Chevrolet Beat Engine), GD&T (Geometric Dimensioning & Tolerancing), Tolerance Stack Analysis and Program Management Team(PMT)
- Team centre, Unigraphics, Team center Vizmockup, DFSS Classroom Training and First Aid
- Seminar on Sheet metal forming & welding for automotive components at M S Ramaiah University, Bangalore

#### TECHNICAL SKILLS

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- Microsoft Office – Excel, Powerpoint, Outlook, Teams, Word; UniGraphics, Team center, Team center VizMockUp, 3DCS, Creo Parametric, SolidWorks (Basic) and Ansys (Structural Analysis), Project Life Cycle Management, Basics of Financial Appraisal, Project Time & Cost Estimation, Project Scheduling, Developing Project Plan, MS Project, Project Risk Management, Stakeholder Management, Adaptive and Agile Project Management, Scrum framework, Earned Value Management, Critical Path Method, Program Evaluation and Review Technique.

#### ACADEMIC PROJECTS

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- Final year major project on "Optimization of the design of Gearbox for BAJA Vehicle"
- Summer internship project at Maruti Suzuki India Limited (Gurgaon Plant) on Rapid Entire Body Assessment (REBA) analysis of Assembly Shop-3 (<https://www.marutisuzuki.com/>) June-July'15
- Participated in BAJA SAE INDIA 2014, Led the department - Roll Cage, Electricals, Ergonomics and Safety together with the team of 19 members (<http://www.bajasaeindia.org/2013-14>):
  - Designed & fabricated the roll cage of the vehicle as per the rule book prescribed by BAJASAE-INDIA'14
  - Fabricated the electrical harness for the vehicle
  - Received CHAIRMAN'S Award worth INR 1 lakh

#### EXTRACURRICULAR ACTIVITIES

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- Designed the team logo for tolerance and stack team
- Organised team offsite for two years for more than 300 employees including logistics
- Being a certified Zumba Instructor, conducted regular Zumba sessions and freestyle dance workshops for company employees
- Represented GM in dance ITPB Livewire Group Dance competition
- Coordinator for the logistics team for FISITA'19, Chennai; provided full-fledged logistic support to 100+ people

- Headed CSR activities including e.g. Tree plantation drive, distribution of essentials at orphanage, cleaning drives, road safety drives.
- Trainer for the "How to solve Rubik's cube" workshop
- Conducted sports week and family day at GM
- Active member of TCS Maitree team (Cultural team) for GM-TCS Account; SPOC for a team of 150 employees