



Saket Kumar Mongre

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Seeking a challenging and rewarding opportunity in an organization of repute, which utilizes my true potential while nurturing my analytical, technical & problem solving skills.

PROFICIECIES

Software and Packages:- Ansys, Autodesk Fusion 360, Autodesk inventor, Autodesk Alias Speed Form, Autodesk Autocad, Catia, Sketch Book Pro, Arduino
Language:- Python, R, C, SQL, SAS, SPSS
Data Visualization Tools:- Tableau, Microsoft Power BI, Microsoft excel
Other Skills:- Data analytics, Business analytics.

INTERNSHIPS

Daimler India Commercial Vehicles Pvt. Ltd.
Product Reliability & Warranty Analysis – QM **May 2019 – November 2019**
Project Title:- Failure Part Root Cause Analysis using data analytics, part inspection and implementation of corrective action.
Description:-
Root Cause Analysis and Failed Part Inspection:-
1. Gather information and data from dealerships to find root cause, trends and patterns.
2. Conduct meetings to form PST/CFT across different departments to solve and handle issues to meet deadline.
3. Monitor progress of PST/CFT and reporting to higher authorities.
Data Analytics, Automation and Visualization:-
1. Introduced new method/logic to capture Emerging Warrantancy Concerns using Excel and SAS. By using this company can save crores of money.
2. Automated Failure Rate,Month In Service and Trend Analysis reporting (Using Python, SQL, Excel).
3. Statistical data analysis, Warranty analysis in Python and Tableau.
4. Warranty cost reduction through data analysis in Python and Tableau.

TATA Motors Limited Pune
Purchase and Supplier’s Quality **May 2018 – July 2018**
Project Title:-Procurement business analysis cost estimation and cost reduction.
Description:-
1. Supplier analysis, cost analysis, order analysis, KPI analysis , SOB analysis.
2. Cost estimation/reduction of forging parts used in commercial vehicles and passenger cars.

EDUCATION

B.Tech in Mechanical Engineering– Smart Manufacturing, Indian Institute of Information Technology (IIIT) Kancheepuram, Chennai,Tamil Nadu (2016 - 2020)	8.1 CGPA
Higher Secondary School from Shiv Jyoti Senior Secondary School, CBSE Board, Kota, Rajasthan (2015-2016)	86.60%
Secondary School from DAV Public School, CBSE Board, Bilaspur, Chhattisgarh (2013-2014)	9.8 CGPA

MAJOR PROJECT:

Design and Analysis of vehicle tyre:- To increase the fuel efficiency of the tyre four tread patterns were designed using CATIA V5 and Static, dynamic and thermal analysis of truck tyre were done on different road conditons and different tread patterns using Ansys software.

MINOR PROJECTS:

- **Fusion 360 Designs:-** Drone, Bike Helmet, Wrist watch, Car.
- **Street/Room Light:-** Controlling the brightness of 100 LED according to the intensity of the light present naturally through sunlight using LDR Sensor, arduino.
- **Automatic door lock system** using RFID card and tag, wifi module, arduino and transmitting its data in website(thingspeak).
- **Digital Vernier Height Gauge** using Ultrasonic Senior, Arduino, LCD.
- **Smart Dustbin with features:-** Automatic opening, level detection, notification SMS to owner.

BUSINESS/DATA ANALYTICS PROJECTS:

- **Corporate business analysis:-** Sales, profit and discount KPI analysis, sales analysis and order analysis.
- **Uber Trip Anaysis:-** Data analysis of Uber trip data using Python,Pandas and Jupyter notebook.
- **Sales Analysis:-** Data analysis of sales data using Python,Pandas and Jupyter notebook.
- **Amazon financial reporting:-** 1st quarter 2005 and 1st quarter 2020 using Tableau.

POSITION OF RESPONSIBILITY

- Sports Secretary (2018-19,2019-20) of IIITDM Kancheepuram.
- Captain of Basketball Team (2018-2019, 2019-2020).
- NSO Coordinator (2017-18, 2018-19).
- Organized Intra-College Tournaments (2018-19,2019-20).

EXTRA CIRRICULAR ACTIVITIES

- 2nd position in Inter IIIT Sports Meet basketball (2016, 2019 and 2020).
- NCC - 'A' certificate Holder.

CERTIFICATIONS

Coursera	Data Visualization with Tableau Specialization (includes 5 courses)
Coursera	Python for Everybody Specialization (includes 5 courses)
TATA Steel	Advance Microsoft Excel
TATA Steel	Measuring Instruments

PERSONAL DETAILS

Father's Name	Mr. R. L. Mongre	
Mother's name	Mrs. Vrihaspati Mongre	
Sex	Male	
Date of Birth	20.08.1997	
Language Competency	English, Hindi	Fully Conversant
Nationality	Indian	
Hobbies	Playing Basketball	