



Ashok Kumar S

Data Analyst
ASQ Certified Six Sigma
Black Belt

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EXPERTISE

Data Analysis

Six Sigma

Data Visualization

Statistics

Regression Analysis

ETL

Industrial Engineering

SOFTWARE SKILLS

Minitab

SQL

Microsoft Excel

Python

Power BI

R Programming

Arena

Tableau

MOST 2D

FLEXSIM

Solid Works

AUTO CAD

CAREER SUMMARY

Energetic Data Analyst interested in bringing out the insights. Implemented interactive Dashboard in Power BI to reduce reporting Time. Created Regression model in Python to reduce the rework Percentage. Reduced the welding repair percentage through data analysis. Cost analysis to reduce the consumption cost. Did stock prediction by regression model. Created a model for cricket analysis and score prediction.

EXPERIENCE

Anand Engineering Products Pvt Ltd (Jul 2020 to Present) Industrial Engineer (Data Analyst)

- ✓ Created Interactive dashboard in Power BI for the Management team to review the Business KPI. This drastically reduced manual reporting time.
- ✓ Created a Model in Power BI for the production team to analyse and act according to the production needs.
- ✓ Created Regression model in python for the cutting team to decide the parameter for the operation, this reduces the rework percentage in rolling operation.
- ✓ Built a model to help the purchase team to decide, on which consumables to focus. This helps in reduction of consumable costs.
- ✓ Created a excel template to formulate the raw material size required for the new project. This drastically reduced the manual calculation time.
- ✓ Built a excel template to check the utilization percentage of the RM plate. This reduced the manual calculation time.
- ✓ Worked as a lead in Automation of PMS system throughout different business units.
- ✓ Responsible for creating short procedures in SQL to fetch the data of the PMS system.
- ✓ Created a PARETO analysis model in Power Bi to identity vital few Machine breakdowns for the Maintenance team.

Propel Industries Pvt Ltd (Jan 2020 to June 2020) Manufacturing Systems Engineer-Lean

- ✓ **Layout optimization** to reduce the material movement.
- ✓ Preparing manning pattern for new components and fixing Cost.
- ✓ **Workstation and fixture design** to increase the production.
- ✓ Worked in Man hour saving projects.
- ✓ Through process study, changed the existing method of operation with a new operation to increase the production tonnage with reduced man hour.

Chroma Prints India Pvt Ltd (Sep 2018 to Dec 2019) Industrial Engineer-Head

- ✓ Reduced the changeover time by 60% using **SMED**
- ✓ Improved OEE by 8% by improving the available time.
- ✓ Production Planning

CERTIFICATION

- **Certified Six Sigma Black Belt from American Society of Quality (ASQ)** (Certificate Number- 21254, Valid till December 2023).
- **"R Programming"**-completed through Coursera on Apr-2020.
- **"Mathematics for Machine Learning: Linear Algebra"** conducted by Imperial College London through Coursera on Apr-2020
- **"R Programming A-Z™ : For Data science with Real Exercises"**- Completed through udemy on Apr-2020.
- **"Python A-Z™ : For Data science with Real Exercises"**- Completed through Udemy on Mar-2021.
- Workshop on **"Cricket Analytics using Python"** conducted by Mad About Sports on Apr-2021.
- **"Data Analysis with python"**-completed through coursera on May-2021
- **"Python for Data Science, AI and Development"**-completed through coursera on Aug-2021

ADDITIONAL EXPERIENCE

- Internship on Data Analytics for one month conducted by Pantech Solutions
- Worked as a project associate in engineering design field (worked in AUTO DESK INVENTOR) in IIT madras for 1 month from 01-july-2014 to 04-august-2014.

ACADEMIC DETAIL

- ME Industrial Engineering from PSG Tech. (2014-2016)- 8.48 CGPA
- BE Mechanical Engineering from MAM College of Engineering (2010-2014)- 8.11 CGPA

PERSONAL DETAIL

FATHER'S NAME: R.Somasundaram
D.O.B: 13-03-1993
GENDER: Male
NATIONALITY: Indian
HOBBIES: Playing chess, Cricket
Languages: English, Tamil
Malayalam
Address: T-12, D-block, Royal Vesta Apartment, MM-Nagar, Trichy-620102

- ✓ Layout Optimization resulted in reduced in-process inventory.
- ✓ Implemented Tool room for the FLEXO section.
- ✓ Created standard operating procedure for the changeover.
- ✓ Involved in successful implementation of ERP.
- ✓ Perform root cause analysis to improve poor performing processes.
- ✓ Develop appropriate incentive plans for work tasks.
- ✓ Determine capacity requirements and subsequent investment options.

SCM Garments Pvt Ltd (March 2018 to Aug 2018) Industrial Engineer

- ✓ Implemented training centre for the new workers and multi skill training
- ✓ Involved in ANDON system implementation to reduce the response time of the mechanic and breakdown time
- ✓ Worked in visual management to create visuals around the factory
- ✓ Implemented skill based incentive system for the workers.
- ✓ Implemented idea collection system to execute kaizen.
- ✓ Line balancing to avoid the bottle neck by monitoring the skill of the operator.
- ✓ Conducted training for all the middle level management regarding IE and lean concepts

Jay Jay mills India Pvt Ltd (June 2016 to Nov 2017) Industrial Engineering Trainee

- ✓ Successfully set the **standing sewing module** for the first time in the factory
- ✓ Conducted the **Ergonomic analysis** for the standing module operator. Then found the optimum work station height through their anthropometry data and reduced the shoulder pain to 10%.
- ✓ Reduced the handling time of the operator by designing special attachment.
- ✓ Increased the production capacity of the line to 30% without increasing the manpower through line balancing
- ✓ Fixed standard time using **MOST**.
- ✓ Conducted training class for all the middle level management regarding IE and lean concepts.
- ✓ **Layout planning** for all the new styles.
- ✓ Solved the quality issues of the line through root cause analysis.

DECLARATION

I do hereby confirm that the above mentioned details are true to the best of my knowledge.

Date:
Place:

Regards
(S.Ashok Kumar)