



Siju Eapen Chacko

Data Analyst with experience in analytics, deep learning, computer vision, strategy.

Projects

Defect Detection using Semi-Supervised Learning (Computer Vision)

📅 August 2023 - February 2024

- Found a new masking technique for a Semi-Supervised Machine Learning model to detect defects in manufactured parts using Computer Vision.
- The improved model achieves state-of-the-art performance on the AeBAD-S dataset.
- Currently in the process of publishing the novel technique as a paper.
- This project also fulfills the thesis requirement of my Masters in Data Science.

Website Traffic Dashboard

📅 December 2023 - January 2024

- Created a dashboard for a well known EU based electronics repair price comparison company.
- The dashboard provides an intuitive view of the flow of the traffic and important KPIs.
- The dashboard effectively tracks the performance of the various marketing campaigns of the customer.

Bill of Material weight data cleaning tool

📅 April 2023 - December 2023

- This web based tool has been developed for the weight analysts at Recaro distributed over Germany, Poland and the USA.
- It provides an intuitive way of cleaning the weight data in the Bill of Material.
- This tool has reduced the time for this task by over 70%, thus increasing efficiency.
- It now provides a platform to automate weight tasks for the weight team.

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Education

Masters in Data Science 📅 2022-2024
Liverpool John Moores University 📍 Liverpool, UK

Bachelors in Technology 📅 2007-2011
GGSIP University 📍 Delhi, India

Certification

[Executive PG Program in Data Science](#) 📅 2023
IIIT Bangalore, India

[Google Data Analytics](#) 📅 2022
Coursera

Skills

Statistical Data Analysis	Project Planning
Artificial Intelligence	Streamlit
Computer Vision	Software Development
Data Visualization	Pandas
Python	Plotly
Pytorch	Matplotlib
SQL	Problem Solving
MS Excel	

Languages

English	Proficient
German	Proficient

Experience

Weight Data Analyst

Recaro Aircraft Seating GmbH & Co. KG

📅 October 2018 - Current

📍 Schwäbisch Hall

- Responsible for the weight data of the Business Class platforms.
- Project Lead for "Missing MISW" project, where a process improvement is being implemented to address missing weight data in the PLM and SAP systems.
- Responsible for the development, deployment and maintenance of the "Bill of Material weight data cleaning tool".
- Fulfill the role of process excellence expert in the team.

Senior Design Engineer

Mercedes-Benz

📅 March 2015 - September 2018

📍 Bengaluru, India | Stuttgart, Germany

- Responsible for the weight data of the complete engine portfolio for the complete engine family.
- Established a new weight team at Bengaluru, India.
- Provided weight optimization concepts for engine components.
- Established weight bench-marking against competitor engines.
- Supported the design of exhaust flow path geometries for the four cylinder inline gasoline engine.
- Filed four patents.

Design Engineer

Robert-Bosch Engineering and Business Solutions, India

📅 July 2011 - February 2015

📍 Bengaluru, India | Stuttgart, Germany

- Responsible for design and development of the first locally developed diesel fuel filters at Robert Bosch India.
- Designed and tested a stirling engine powered water pump for the Indian agricultural sector.