Paida Manisharan

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Motivated and detail-oriented recent graduate with a Bachelor's degree in Production Engineering, equipped with a solid understanding of Supply Chain Management, Operations Research, and Lean Manufacturing principles. A detail-oriented individual with a passion for optimizing processes and improving operational efficiency. Eager to apply academic knowledge and bring fresh perspectives to contribute effectively to a dynamic team. A quick learner with excellent analytical and problem-solving skills, ready to contribute to a dynamic team and grow in the field of operations. Ready to embrace challenges, collaborate, and make a meaningful impact in a professional setting.

SKILLS

Operations Research | Supply Chain Management | Operations Management | Power BI | Machine Learning | Data Analytics | Computational Fluid Dynamics | AutoCAD | Python | SolidWorks | Microsoft Office | MySQL | Autodesk | Telugu Literature

WORK EXPERIENCE

Understanding fluid stratification behavior inside different building designs for ambient industrial safety applications | National Institute of Technology, Tiruchirappalli
Jan 2023 - May 2023

This study gives insights about airflows and thermal behavior inside rooms with different designs. The visualization of airflows will be performed using CFD simulation techniques. The outcomes of these studies could assist ergonomics researchers and occupational and Industrial safety engineers in developing workspace ambient environmental safety precautions.

Identification and analysing the enablers of Blockchain to improve the Agriculture Supply Chain | National Institute of Technology, Trichy
Jun 2022 - Aug 2022

Enablers to Blockchain in Supply Chain Management was the topic of the research internship. The goal of the research is to develop a framework for Enablers to Blockchain in Supply Chain Management. We had selected Agriculture Supply Chain for further research, found 55 Enablers to the Blockchain in Supply Chain Management, and analysed using MCDM technique.

Computational fluid dynamics for SARS-Cov-2 research: A Prisma based Systematic Literature extraction and summarization | National Institute of Technology, Tiruchirappalli
Jan 2022 - Feb 2022

We conducted systematic literature review to know impact of computational fluid dynamics (CFD) tool during covid-19 times. We harvested the last 3 year's literature related to this topic from Databases such as Scopus and web of science.

PROJECTS

Statistical analysis of indoor air quality parameters
Jul 2022 - Sep 2022

For this analysis, the CO_2 concentration in room is measured by testo440 measuring instrument in different conditions like closing/opening windows and doors, switching on/off fan and person wearing mask or not. Four-Way ANOVA and Multiple Linear Regression analysis is done to find out which factors are significant and affecting the CO_2 concentration more. It is implemented using R and made a report using Power BI.

Predict discounted prices using Machine Learning Algorithms
Jun 2022 - Jul 2022

Trained a Machine Learning model to estimate the discounted prices of the listed products using Decision Trees, Random Forest and Boosting algorithms with good accuracy by Hyperparameter tuning to optimize the model from a data set acquired from a Hackathon competition (Conducted by IIT Guwahati) utilizing information such as ratings and actual prices.

FEM investigation of sorbothane based CFRP composites
Dec 2021 - Dec 2021

Conducted detailed compression testing on Sorbothane bases CFRP composites using the finite element method (FEM) which was applied in the design modification of shoe soles. We used Autodesk Fusion 360 for modeling and SimScale - open foam package for FEM investigation.

EDUCATION

B-Tech - Production | National Institute of Technology, Tiruchirappalli   **Aug 2019 - May 2023**

GPA - 8.53/10

Class XI, XII | Trinity Junior College, Karimnagar, Telangana   **Jun 2017 - Mar 2019**

Percentage - 97.9%

Class X | Trinity Model Secondary School, Peddapalli, Telangana   **Jun 2016 - Mar 2017**

GPA - 10/10

COURSES

Power BI at Udemy
Machine Learning at C&A IIT Guwahati
MySQL for Data Analytics at Udemy
Machine Learning A-Z: AI, Python & R + ChatGPT Prize at Udemy

LEADERSHIP

Chairperson | Akshara, National Institute of Technology (NIT), Trichy   **May 2022 - May 2023**

Worked as a Chairperson of Akshara, which is a literature club of NITT. It is an official Telugu literature society of NIT Trichy. As a chairperson, the work specifically involves taking the responsibility of initiation and heading the team towards success.

Marketing Manager | Akshara, NIT, Tiruchirappalli   **Aug 2021 - May 2022**

Worked as a Marketing manager of Akshara, which is a literature club of NITT. As a part of the marketing team, the work specifically involved reaching various companies to convert them and bring sponsors. Aha, Muzzer are the companies I converted and brought over INR 10k and 5 subscriptions for winners worth INR 399 each and internship opportunities for our club members.

Content Writer | Akshara, NIT, Tiruchirappalli   **Aug 2020 - May 2023**

Worked as a Content Writer of Akshara, which is a literature club of NITT. As a content writer, the work specifically involves writing content for posts, websites, events, etc. or editing the written content. Conducted many online events.

Coordinator - Publicity Team | Prodigy, Tiruchirappalli   **Oct 2021 - May 2022**

Worked as a member of the Publicity Team of Prodigy, The National level technical symposium of department of Production engineering, NIT Tiruchirappalli. As part of the work specifically involved in doing publicity for various colleges near NIT Trichy and some colleges in Tamil Nadu.

Executive Committee Member | National Service Scheme (NSS), Trichy   **Aug 2019 - Sep 2020**

Executed the events like blood donation camp, eye check-up camps, cyclothon, marathon planned around the year. Our awareness campaign on 'Hazardous Plastic Waste' was recorded in the India Book of Records in October 2019.

EXTRA CURRICULAR ACTIVITIES

SOCIAL ACTIVITIES

- Donated clothes, food to physically and mentally handicapped people in Peddapalli village, Telangana. (Spoorthi manasika vikalangulu).
- As part of "Arya Vysya Pattana Sangam" served food for the needy during the Covid-19 lockdown.

SPORTS ACTIVITIES

- Secured 1st place in kabaddi men in **Sportsfete'23** the inter-department sports fest organized by NIT, Tiruchirappalli.
- A player of the Agate kabaddi team in **Aaveg'20**, a sports and cultural festival of the first years of NIT Tiruchirappalli.
- Secured 3rd place in kabaddi men in **Sportsfete'19** the inter-department sports fest organized by NIT, Tiruchirappalli.
- State-level fencing player played for the Karimnagar district during 2017-18.