

VIRAJ THAKKAR

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EDUCATION

KJ Somaiya College of Engineering, Mumbai, India

2019-Present

Bachelor of Technology, Mechanical Engineering

GPA: 8.32/10

Relevant Courses: Operations Research, Industrial Engineering Management, Supply Chain Management, Strength Of Materials, Production Engineering, Theory Of Machines, Additive Manufacturing , Computer Aided Engineering , Mechatronics, Blockchain Technology .

EXPERIENCE

Xtreme Media Pvt. Ltd

Mumbai, India

Supply Chain Intern

June 2022 to July 2022

- Time series forecasting for the upcoming month based on historical data (moving average demand) utilising standard algorithms. With the use of order data and stocking norms, the approach was refined.
- Analysis of Price Proposals, Financial Reports & Other Information by Benchmarking Studies to determine reasonable sources of supply.
- Monitoring Delivery Period for Timely Supply of Materials and Services in line with the Agreed Delivery Schedules of the PO & Prod. Plan for smooth order completion.

Blue Star

Mumbai, India

Engineering Intern

December 2021 to January 2022

- Conducted several performance tests on the parts of their outdoor units, compared the test results to industry standards and offered a suggestion on how to make the inefficient components work better.
- Performed a series of reliability tests and understood the procedure of increasing the reliability of HVAC systems

KJSCE Student's Council

Mumbai, India

Marketing Executive

August 2020 to July 2021

- Brought International Sponsors through creative deliverables and received monetary funding for our cultural and technical festivals.
- Made financial budgets for the events that happened throughout the year and handled the logistics for council.

ACADEMIC PROJECTS

Supply Chain Risk Analysis using Machine Learning KJSCE

Dr. Vaibhav Narwane

Aug 2022-Present

- Collected relevant data on suppliers, logistics, and other factors that could impact the supply chain, as well as cleaned and preprocessed the data to make it suitable for its application in machine learning models.
- Identified several elements influencing supply chain risks and projected trend lines using machine learning algorithms.
- Created an experimental design to evaluate the efficacy of various algorithms and algorithmic parameters on the chosen feature space, demonstrating the application of predictive data analytics in supply chains.

Design of an Easy to Handle Waste Collection Unit KJSCE

Mr. Abhijit Karmarkar

Jan 2022-Apr 2022

- Designed a garbage bin with a variety of technical upgrades to increase its storage
- Recognized waste management inefficiencies in our region and created a compressible dustbin that increases its storage capacity.
- Used scissor mechanism for the compressors and Implemented the use of compactors and sensors in the bin to automate the crushing process.

TECHNICAL SKILLS AND CERTIFICATIONS

- CAD/CAM: Solidworks, AutoCAD, Ultimaker Cura
- Simulation and modelling: Ansys, MATLAB
- Office Tools: Excel, Word, TallyPrime
- Certifications: Certified SolidWorks Associate, Certified SolidWorks Professional

EXTRACURRICULAR ACTIVITIES

- Volunteer at an NGO called Nurturing Lives, was part of a food distribution drive.
- Represented School and College in Cricket Tournaments at District and Inter College Levels.
- Interests: Cricket, Boxing, MMA, Guitar