SAAD KHAN

DME, B. Tech (Mechanical)

About Me:

A Versatile Engineer with Diploma Background. A Pragmatic Attitude towards learning new things. CAD Enthusiast and Gear Head.

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https://github.com/Khansaahab24/Certificates

Skills:

- AutoCAD
- Solidworks
- CATIA
- MS - Office

Other Skills:

- Leadership
- Fusion 360
- Ansys
- Inventor
- Film Editing
- Python

EDUCATION

- **SARDAR PATEL COLLEGE OF ENGINEERING**
  Mumbai | B. Tech in Mechanical Engineering
  2020 – 2023
- **M. H. SABOO SIDDIK POLYTECHNIC**
  Mumbai | Diploma in Mechanical Engineering
  2017 – 2020 *Percentile – 96.92*
- **MILLAT HIGH SCHOOL**
  Mumbai | SSC Board Examinations
  2016 – 2017 *Percentile – 89.00*

ACHIEVEMENTS

- **1st Rank in Millat High School**
  Achieved First Rank in Millat High School for the SSC Examination 2016 – 17.
  May 2017
- **1st Rank in 5 Semesters of Diploma Engg.**
  First Rank in consecutive 5 Semesters of Diploma Engineering in Mechanical Engineering Department of M.H. Saboo Siddik Polytech.
  Summer 2018 – Summer 2020
- **2nd Rank in M. H. Saboo Siddik Polytechnic.**
  Second Rank on Institute Level for the Academic Year 2019 – 2020 in M. H. Saboo Siddik Polytechnic.
  2019 - 2020

EXPERIENCE

- **Airofrost HVAC Pvt. Ltd.**
  Mumbai | Intern
  May 2019 – June 2019 (01 Month)
  Responsibilities:
  - Manage Work Load of the Workers for Maintenance Demands
  - Communicate with Customers regarding Complaints & Repairs
  - Assist the Mechanic with the Repair and Maintenance work.
- **Dastarkhwan Restaurant (Work from Home)**
  Amravati | Digital Marketing Manager
  December 2021 – May 2022 (18 Months)
  Responsibilities:
  - Create Promotional Posters, Videos and Banners for the Publicity of the Newly Started Restaurant.
  - Manage Google Account and respond to the Customer Reviews and Questions.
  - Collect different feedbacks from Customers and publicize.

EXTRA - CURRICULAR

- **Technical Assistant**
  Marol Urdu High School
  2020
- **Mentor**
  M.H. Saboo Siddik Polytechnic.
  2021
- **Miscellaneous**
  Refer my Repository to have a glance on my Various Work.
  2015 - 2022

Language:

English
Urdu
Hindi
Marathi
Arabic

Hobbies:

Publications:

- Is India Ready for E-Vehicle?
  - Carried out survey to know the current generations opinion on the feasibility of using E-Vehicles over Traditional Engine Vehicles
  - 2021
- Optimization of Electric Vehicle Performance using Material Alteration
  - Carried Out 5 Why Problem Identification technique to address the problem
  - Applied Idea Generation Method SCAMPER, to find solution
  - Used Idea Evaluation Techniques like Evaluation Matrix, Delphi Technique to have Solution
  - 2022

Certificates & Work:

Scan here to visit my Repository for My Certificates

CERTIFICATIONS

- Mechanics and Fundamentals
  - Mechanics of Material (Full Series 1-4) from Coursera
  - Machine Design I from Georgia Institute of Technology
  - Fundamentals of Vibration from KAIST
  - Advanced Introduction of Vibration from KAIST
  - Finite Element Method for Problems from University of Michigan
  - Flight Mechanics: The Basis from ISAE SUPAERO
  - Engineering Systems in Motion from Georgia Institute of Tech.
  - Material Science from UC DAVIS
- Design Software
  - CAM and Design Manufacturing from Autodesk
  - Generative Design for Additive Manufacturing from Autodesk
  - Introduction to CAD, CAM from Autodesk
  - Simulation Analysis from Autodesk
  - Design Thinking and Global Startup from KAIST
  - Intelligent Machining from State University of New York
- Programming and Data Science
  - Machine Learning from Stanford Online
  - Python 101 for Data Science
  - Introduction to Data Science from Cognitive Class
  - Data Science Methodology
  - Deep Learning Fundamentals
  - Machine Learning with Python
  - Complete Python Programming from Udemy
- Robotics and IoT
  - Modern Robotics I from Northwestern University
  - Introduction to IoT
  - Introduction to Self-Driving Cars from University of Toronto

Projects

- Design and Fabrication of Electric Tilting Trike
  Diploma Final Year Project | M. H. Saboo Siddik Polytechnic
  2019
  What?
  - The Sole Aim of the Project was to assist Handicaps and prevent accidents due to the slipping of tires during taking turns.

  How?
  - The Project used the Principle of 4 Bar Parallel Mechanism to assist the driver to take Turns up to an Angle of 45 degrees.

  Results
  - We were able to take 40 degrees turn while leaning on the side, Suspension arrangement was also used to retain the Original Posture of the Rider.
- Spreadsheet to Calculate Stresses on Arbitrarily Oriented Planes
- Modelling of Various Mechanisms like Screw Jack, Oldham's Coupling, Knuckle Joint, Ball Bearing etc.
- Working Model of Scotch Yoke Mechanism.
- Installation of Centrifugal Pump