

DINESH.M

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PROFESSIONAL SUMMARY

- Mechanical Engineering graduate with expertise in CAD and CAE tools including CATIA, AutoCAD, and ANSYS.
- Experienced in leading engineering projects and performing complex analyses.
- Aiming to maximize the skills in mechanical design and structural analysis to contribute to innovative projects and solutions in a forward-thinking engineering firm.

EDUCATION

VELAMMAL COLLEGE OF ENGINEERING & TECHNOLOGY

Madurai, Tamil Nadu

Bachelor of Engineering in Mechanical Engineering

SEP 2022– June 2025

Cumulative GPA: 7.10/10.0;

Relevant Coursework: Solid Mechanics, Mechanical Design ,Total Quality Management, Computer-Aided Design (CAD), Finite Element Analysis (FEA), and Manufacturing Processes.

K.L.NAGASWAMY MEMORIAL POLYTECHNIC COLLEGE

Madurai, Tamil Nadu

Diploma in Mechanical Engineering

June 2019-May 2022

PERCENTAGE: 83%

Relevant Coursework: Fluid Mechanics, Strength of material, Computer-Aided Design (CAD), and Manufacturing Technology.

SKILLS

● TECHNICAL SKILLS:

- **CAD Tools:** CATIA V5, AutoCAD, Solid works → **Product Design**
- **Finite Element Analysis:** ANSYS
- **Design for Manufacturability** → **Advanced Surface**

● INDUSTRY SKILLS:

- **Logistics (inventory)**
- **Forklift Operator**

- **Languages:** English ,Tamil

PROJECTS

Title-Revive Stride Foot Finger Numbness:

Dec 2023-April 2024

- This healthcare initiative aims to enhance blood flow in the feet and fingers, helping to reduce feelings of numbness
- The program focuses on improving blood circulation in the fingers by employing foot movements, specifically catering to those with disabilities and diabetes.

Title-Pneumatic Drilling Machine:

Dec 2021– April 2022

- This device is utilized for performing drilling tasks on PVC piping and mild steel materials.
- It works with compressed air from a compressor which drives the pneumatic cylinder for drilling.
- This machine can be used by small scale Industries.

EXPERIENCE

SWAMY SONS PRIVATE LIMITED

Madurai, Tamil Nadu

Picker, Fork lift operator

8 months(2020)

- Acquired practical experience with SAP systems
- Implemented effective inventory storage solutions.
- Conducted regular inventory audits.

INTERNSHIPS AND CERTIFICATIONS

- **INTERNSHIPS:**
 - DESIGN ENGINEER (OIL&GAS) PRECISION ENGINEERING Sep 2024
 - TECHNICIAN (ANNAMALAIS TOYOTA) July 2023
- **CERTIFICATIONS:**
 - AUTOCAD
 - SOLID WORKS
 - CATIA V5
 - ANSYS
 - ROBOTIC WELDING
 - NPTEL
(Social innovation) **66%**
 - NPTEL
(industry 4.0) **63%**
 - CAD MODELLING
 - SKILL INDIA (A)
(Addictive Manufacturing)

KEY ACHEIVEMENTS

- I presented a project at Kalasalingam University for the ISTE-IIC Innovation Contest 2024
- I participate in a symposium conducted at **Vaigai** college of engineering & Technology And secured the “SECOND” price in CAD contest.
- participate in a symposium conducted at **Kamaraj** college of engineering And secured the “SECOND” price in CAD contest.

AREA OF INTEREST

- Aircraft Design
- Oil & Gas
- Logistics
- Automotive Design