

NIRUTHISHKUMAR A

MECHANICAL ENGINEER



CONTACT

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SKILLS

- CAD Modeling
- Quality Inspection
- Data Handling
- Project Management
- Teamwork
- Time Management
- Leadership
- Effective Communication

LANGUAGES

- English (Fluent)
- Tamil (Fluent)
- Kannada (Basic)
- Hindi (Basic)

SOFTWARES WORKED

- Solidworks
- Catia
- Creo
- Auto-Cad
- Fusion 360
- Ansys
- Adsteeffen



PROFILE

I am a highly dedicated and proactive engineer passionate about solving challenges and driving improvements. With a strong foundation in manufacturing processes, I specialize in optimizing designs for efficiency, functionality, and quality. My ability to manage projects, collaborate across teams, and implement innovative solutions helps enhance organizational standards. I seek the right opportunity to contribute my expertise, grow professionally, and work toward achieving impactful results.



EXPERIENCE

Rapsri Engg. Products Pvt. Ltd. in Harohalli 06/2024 - PRESENT
Design Engineer in New Product Development

- Developing 2D Drafting and 3D Modeling in CAD software, Conducting Casting CFD Analysis, Die Design, Fixture Design, preparing Method Cards, and Standard Operating Procedures.
- Requirement Analysis & Concept Development, Material Selection & Design Considerations, Mold Design, Casting Process & Post-Casting Operations, Machining, Quality Inspection & Testing.
- Document Control & Management, Data Entry & Record Keeping, Data Analysis & Reporting.
- Area of Specialization: Casting, Machining, Quality Checking and Electroplating.

Macbro Technology Pvt. Ltd. in Erode. 12/2023 - 06/2024
Intern Trainee in Automotive Field

- Proficiency with CATIA V5 for Surface, Assembly, and Part Modeling.
- Designing a Plastic Part while Taking the Injection Molding Technique into account.
- DFM & DFA, Reverse Engineering, Injection Molding, PowerPoint Proposals & Presentations, Plastics Defects and Design Considerations.
- Completed the Industrial Project using CATIA V5 to Design and Construct an Automotive Door Mirror.



EDUCATION

B.E. Mechanical Engineering 2020 - 2024
Kongu Engineering College | Erode
CGPA: 9.42 / 10.00

Higher Secondary Certificate 2020
St. Mary's Higher Secondary School | Karaikal
PERCENTAGE: 87%

Secondary School Leaving Certificate 2018
St. Mary's Higher Secondary School | Karaikal
PERCENTAGE: 77%



CERTIFICATED COURSES

Completed the designing course on "**Design and Analysis of Electromechanical Components Using Creo and Ansys**".

Completed the designing course on "**Modelling using Creo and Introduction to Solidworks**".

Completed the designing course on "**Advanced Modelling using Creo**".

Completed the course on "**FUNDAMENTALS OF CATIA V5**".



PROJECT AND PAPER PRESENTATIONS

Completed the Industrial Project in "**Design and Development of Automotive Door Mirror**" Using CATIA V5 with MACBRO R&D.

Role :

- Design Engineer (trainee)

Learnings :

- Surface Modeling
- Automotive Design
- Design Considerations
- Plastic Defects
- Industrial Standards

Presented a Project on "**Automatic Car Cover**" in Ideathon-(Proof of Concept) at Department level competition and won the 1st prize.

Presented a Project on "**Daisy Umbrella**" in Project Expo at College level Competition and won the 2nd prize.

Presented a Project on "**B-Oxylator**" in Smart India Hackathon hardware category 2022.

Role :

- Team Leader
- Team Member (SIH)

Learnings :

- Critical thinking
- Problem Solving
- Mechanism
- IoT's and Wireless Control
- Sensors and Actuators
- Prototyping
- Additive Manufacturing
- Analysis and Improvements
- Time Management

Presented a paper on "**Buoyancy Energy Storage Technology**" at SRM Chennai and Won the Best Paper Award.

Presented a paper on "**Future Fuel for India**" at Kongu Engineering College, Erode.

Role :

- Team Leader

Learnings :

- Energy Management
- Sustainability Resources
- Paper and Journal Studies
- Content Making
- Presentation