

MALARVANNAN M

MECHANICAL ENGINEERING

 8825601613

 malarvannan.me23@bitsathy.ac.in  [Linkedin](#)

 Salem - 636451

CAREER OBJECTIVE

Mechanical Engineering student with basic knowledge of mechanical design and manufacturing engineering. Interested in electric vehicles, energy systems, and EV hardware. Seeking an internship to learn and contribute to EV components, testing, and product engineering.

EDUCATION

B.E. Mechanical Engineering

Bannari Amman Institute of Technology | 2023 - 2027

CGPA: 7.94 / 10

Higher Secondary Certificate (HSC)

MAM Exel Matric Higher Secondary School | 2022 - 2023

Percentage: 78%

Secondary School Leaving Certificate (SSLC)

MAM Exel Matric Higher Secondary School | 2020 - 2021

TECHNICAL SKILLS

- Mechanical Design
- 3D CAD Modeling Software
- C Programming (Basics)
- Engineering Drawing
- Manufacturing Processes

SOFT SKILLS

- Problem Solving
- Team Collaboration
- Time Management

INTERNSHIP EXPERIENCE

Galexon Engineering Industries - Aug 2025

- Assisted in the design of mechanical components using SolidWorks
- Prepared accurate 2D drawings and basic assemblies as per industrial drafting standards
- Gained practical exposure to manufacturing processes and real-world design practices

PROJECTS

Design, Analysis and Prototyping of a High-Performance Bicycle

Role: Mechanical Design & Manufacturing

- Designed bicycle frame geometry focusing on strength, weight, and performance
- Performed basic analysis and supported fabrication and prototype assembly

Autonomous Excavation Rover

Role: Mechanical Design & Manufacturing

- Designed mechanical structure for excavation and dumping mechanism
- Assisted in system integration, testing, and performance evaluation

COMPETITIONS

- Caterpillar Autonomous Challenge – IIT Madras
- SAE Bicycle Design Challenge
- Euphoria 2K25 – Kalasalingam University
- Pragyan 2K25 – National Institute of Technology (NIT), Trichy

AREAS OF INTEREST

- Mechanical Design
- Manufacturing Engineering
- Automation & Industrial Systems