KARTHIKEYAN S

+918072034620 | ping2karti@gmail.com
https://www.linkedin.com/in/karthikeyan-s-422703251/

Education

Course	Institution	CGPA / %	Course Completion
B.E in Mechanical	St .Joseph's College of Engineering	8.2	Oct 2021- May 2025
XII	Thiruthangal Nadar vidhyalaya	85.4	2021
X	Thiruthangal Nadar vidhyalaya	89.4	2019

Skills

Programming Language:- Core Python,Basics of C ,C++ ,Intermediate of Java
Front-end Technologies:- HTML,CSS,Java-Script,UI-UX Designing
Framework:- Django
Databases :- MySQL, MongoDB
Design Tools :- Autocad, Catia V5

Projects

Springless Suspension using Bevel Gear **(Jan 2024- Mar 2024)**
- Designed and analyzed bevel gears to replace traditional springs, with effective shock absorption.
- Led the prototyping and testing phase to enhance performance under various load conditions.
- Controlled the vehicle using a Bluetooth module, enabling remote operation and enhanced user interaction with the vehicle's systems.

Investigation On Mechanical Behaviour of Reinforced Fibre Composite **(Jun 2024- Dec 2024)**
- Conducted Mechanical Tests to evaluate strength, stiffness, and durability.
- Analyzed Results of deformation characteristics and overall performance from test data.
- Recorded the research process, results, and conclusions for further development or publication.

Muscle Nation - An online Web application **(Oct 2023- Feb 2024)**
- Created a responsive UI using front end technologies and built server-side functionality with Python and Django.
- Managed SQL database and RESTful APIs, followed by thorough testing to ensure seamless application performance.

Professional Experience

Mechanical Engineer Intern in GMMCO Caterpillar India Pvt Ltd **(July 2024)**
- Assisted with maintenance, repair, and technical support for heavy machinery, including design and optimization tasks. by reducing 30 % work of service engineer
- Participated in projects and prepared technical reports and documentation.

Mechanical Engineer Intern in Chennai Port Authority Limited **(Feb 2024)**
- Assisted with the maintenance, inspection, and technical support of port equipment,
- Analyzed performance data, prepared reports, and documented maintenance activities and project progress.

Certifications

Full Stack development | Business English Certificate | Qcad |Python |