CHAKALI MADHU SEKHAR

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About Me

Enthusiastic and detail-oriented Engineering graduate with passionate about leveraging technology for positive change. I seek a challenging role in a professional environment, utilizing my skills, strong work ethic, and willingness to take on new responsibilities to contribute to the success of the company.

TECHINICAL SKILLS

Languages : Python, HTML, CSS, JavaScript

Framework : Bootstrap, React JS

Database : SSMS, MySQL

Tools: VS Code, Jupyter Notebook, PowerBi, Git, GitHub

Libraries: Numpy, Pandas, MatplotLib

SOFT SKILLS

Languages : Telugu, English

Others: Quick Learner, Adaptive, Problem Solving Skills, Teamwork and collaborative

EDUCATION

Santhiram Engineering College	Nandyala, Andhra Pradesh
Bachelor of Technology with 6.5 CGPA	2018-2023
Mechanical Engineering	
The Nandyal Junior College	Nandyala, Andhra Pradesh
Board of Intermediate Education	2016-2018
Percentage - 81%	
ZPHSchool, RS Rangapuram	RS Rangapuram, Andhra Pradesh
Board of Secondary Education with 8.8 CGPA	2015-2016

CERTIFICATIONS

- Python Fullstack certificate from Mindx Solutions, Bengaluru.
- Automotive Part Modeling Using CATIA. One week workshop Organized by Department of Mechanical Engineering, Santhiram Engineering College.

PROJECTS

Academic Project: Design and Fabrication of Staircase Climbing Trolley Designed and fabricated a mechanical trolley with Tri-Star wheel mechanism to climb stairs with reduced human effort. Developed a stable, cost-effective frame capable of carrying heavy loads across uneven surfaces and staircases.

Roles: - research and analysis on different stair-climbing mechanism, and documentation. And assembling of parts.

1. Portfolio Website (React + Tailwind CSS)

Technologies Used: React.js, Tailwind CSS, Framer Motion, GitHub Pages

Live Link: Madhu Sekhar | Portfolio

Description:
Developed a modern and fully responsive personal portfolio website using React and Tailwind CSS. Implemented reusable components for Home, About, Skills, Projects, and Contact sections. Added smooth animations and transitions using Framer Motion for an interactive user experience. Integrated a mobile-friendly navigation bar and dynamic project cards. Deployed the website using **GitHub Pages.**

2. E-Commerce Web Application

Technologies Used: React.js, Vite, Bootstrap, FakeStore API, Context API, React Router, Toastify

Live Link: madhuwebsrore
Description:
Developed a fully functional e-commerce web application with features like product listing, product detail page, shopping cart, authentication (login/signup) using Context API, and protected routes. Integrated FakeStore REST API for dynamic product loading and category filtering. Added pagination, search, theme toggle (dark/light mode), and Toast notifications. Deployed application using **GitHub Pages**.

3. Weather Application

Technologies Used: HTML, CSS, JavaScript, OpenWeatherMap API
Live Link: Live Weather | Madhu
Description:
Designed and developed a weather forecasting application using the OpenWeatherMap API. Integrated real-time weather data with search functionality

for cities. Added dynamic UI updates based on weather conditions and deployed the project on **GitHub Pages**.