



SAKTHI J

📍 Dindigul, TamilNadu ✉ sakthijawahar ☎ 9342024809
in in/sakthi-jawahar/ 🌐 github.com/sakthijaw

Education

PSNA College of Engineering and Technology <i>Bachelor of Engineering - Computer Science and Engineering</i>	2022-Present CGPA 8.0
Cheran Vidhyalaya Matric Hr. Sec. School <i>HSC - Biomaths</i>	2021-2022 Score 90%

Projects

Smart India Hackathon-AI-powered Railmadad <i>Developed an intelligent grievance redressal system by Indian Railways' RailMadad platform</i>	github-Railmadad 
<ul style="list-style-type: none">Designed and developed an AI-powered grievance redressal system using Flask, GPT (Gemini API), and YOLOv8 to automate complaint registration, categorization, and routing based on text, image, and video inputs.Implemented OCR (Tesseract) and sentiment analysis to extract complaint details and assess urgency, improving complaint triage accuracy and reducing manual intervention by over 70	
AI-Powered-Smart-Traffic-Management-System <i>Developed an AI-powered traffic management system for signal optimization.</i>	github-Signal optimization 
<ul style="list-style-type: none">Developed an AI-powered traffic management system using Python and YOLOv8 to simulate real-time traffic scenarios and optimize traffic light control based on vehicle detection.Implemented computer vision techniques to detect and count vehicles from live video feeds, enabling dynamic traffic signal adjustment and congestion reduction.	

Internships

Web Developer Intern <i>Technohack</i>	<i>Remote</i> <i>July-August 2024</i>
<ul style="list-style-type: none">Successfully completed a hands-on web development internship focused on building interactive and responsive websites using HTML, CSS, and JavaScript.Developed multiple front-end projects including a Login Page, Calculator and Registration Form demonstrating strong understanding of UI/UX principles.	
Mernstack Developer Intern <i>Afame Technologies</i>	<i>Remote</i> <i>December-January 2024</i>
<ul style="list-style-type: none">Developed a full-stack Event Management System using ReactJS for a dynamic user interface and NodeJS/ExpressJS for scalable server-side APIs.Integrated MongoDB to store event details, user registrations, and feedback, enabling real-time CRUD operations and secure data handling.	
FullStack Developer Intern <i>Dc infotech</i>	<i>Remote</i> <i>November-February 2024</i>
<ul style="list-style-type: none">Designed and developed a Django-based Employment Management System to manage employee records, job roles, departments, and leave applications with role-based access control.Implemented CRUD operations, user authentication, and admin dashboards, ensuring secure data handling and streamlined HR workflows.	

Technical Skills

Programming languages: Java, Python, HTML, CSS
Databases: MySQL, MongoDB
Tools & Technologies: : React, SQL, Express.js, Figma, Node.js, Visual studio
Soft Skills: Problem Solving, Self-Learning, Adaptability, Team Collaboration, Attention to Detail, Time Management
Version Control: GitHub

Achievements

Winner in project expo [Profile](#) 
LeetCode: [Profile](#) 
HackerRank:Badge Holder [Profile](#) 
GeeksForGeeks: [Profile](#) 

Certifications

Java Certified, Generative AI, The joy of computing python-Nptel, Programming in java-Nptel, Introduction to MongoDB, and more [here](#) .