SARAVANAKUMAR J

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PROFESSIONAL SUMMARY

Full-Stack Developer with hands-on experience in building intelligent web applications by integrating modern frontend technologies, scalable backend systems, and machine learning models. Skilled in React.js, Django, MySQL, MongoDB, and Python-based ML frameworks. Experienced in developing end-to-end solutions including responsive interfaces, RESTful APIs, and real-time prediction systems. Passionate about leveraging Artificial Intelligence to solve real-world problems and deliver efficient, user-centric software solutions.

ACADEMIC DETAILS

B. Tech. CSBS – Ramco Institute of Technology, Rajapalayam – 2026 – 7.5 CGPA (upto 6th semester)
HSC – G.S Hindu School, Srivilliputtur – 2022 – 82%
SSLC – St.Antony's Matric School, Srivilliputtur – 2020 – 98%

KEY SKILLS

- Frontend : HTML, CSS, JavaScript, React.js, Tailwind CSS, Bootstrap.
- Backend : Django (Python), REST API Development
- Databases : MySQL, MongoDB
- Programming : Python, JavaScript, Java (Basics)
- Tools : Git, GitHub, Figma, Canva, Uizard, Postman.
- AI/ML : Supervised Learning, Model Training, Data Preprocessing.

PROJECTS UNDERTAKEN

Project I: Lala Halwa House E-Commerce Website Development - Client Project

Description: Designed and developed a complete full-stack e-commerce platform for online sweet sales and franchise management using React.js, Django, and MySQL. Implemented product catalog management, order processing, and user functionalities with a responsive interface. Ensured smooth interaction between frontend and backend through REST AP

Project II: Smart Blood Donation and Inventory Management System (Web development)

Description: Developed a centralized web platform to manage blood donors, hospitals, and blood inventory efficiently. Implemented emergency request handling, donor management, and stock tracking features to improve availability and reduce wastage. Designed secure backend services using Django and integrated database operations for real-time data management. Focused on scalability, reliability, and real-world usability.

AI RESEARCH & PROJECT EXPERIENCE

Malicious URL Detection Web Application (AI-Powered Full-Stack System)
(IITM Incubation Cell Program, 2025)

Developed an intelligent web application to detect malicious and defacement URLs in real time. Built a responsive frontend for user input and result visualization, integrated with a machine learning backend using scikit-learn for URL classification. Implemented data preprocessing, feature extraction, model training, and REST-based communication between the web interface and prediction engine. Designed for secure, fast, and user-friendly URL analysis to support cybersecurity awareness and safe browsing.

AI-Based Lung Cancer Risk Prediction System

Developed an intelligent web application to detect malicious and defacement URLs in real time. Built a responsive frontend for user input and result visualization, integrated with a machine learning backend using scikit-learn for URL classification. Implemented data preprocessing, feature extraction, model training, and REST-based communication between the web interface and prediction engine. Designed for secure, fast, and user-friendly URL analysis to support cybersecurity awareness and safe browsing.

PORTFOLIO

Portfolio Website: https://my-portfolio-inky-alpha-42.vercel.app/

Showcases AI-integrated full-stack applications, responsive web projects, and real-world problem-solving solutions demonstrating end-to-end development skills.

CERTIFICATIONS

- Malicious URL Detection using AI + ML — IITM Incubation Cell Program, 2025
- Supervised Machine Learning: Regression and Classification
  DeepLearning.AI & Stanford University (Coursera), 2024
- Web Development