

Sarveswaran MG

Software Developer

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Software Developer specializing in React and Full-Stack Web Development with experience building scalable SPAs, responsive interfaces, and high-performance web applications. Skilled in JavaScript, React, Node.js, REST APIs, and modern frontend architecture. Experienced in performance optimization, SEO improvements, and cloud-based deployments using Firebase and Vercel.

EDUCATION

M.Tech (Integrated) | CSE with Specialization in Business Analytics 2020 - 2025
Vellore Institute of Technology, Chennai Campus CGPA: 8.77
Higher Secondary 2019 - 2020
C.E.O.A Matriculation Higher Secondary School, Madurai 85.2 %

SKILLS

Programming Languages: Java, JavaScript, HTML, CSS, SQL, Python, PostgreSQL.

Data Analytics & Machine Learning: Pandas, NumPy, Scikit-Learn, XGBoost, ARIMA, Stata, Tableau.

Libraries and Frameworks: React, Redux, NodeJS, Express.js, Material UI, Tailwind CSS.

Tools: Git, Vite, Postman, Vercel, Firebase, MongoDB, VS Code, n8n.

Computer Science Fundamentals: Data Structures & Algorithms (DSA)

PROJECTS & EXPERIENCE

FRONTEND DEVELOPER (Freelance) - NOCTURNAL COMPANY | Startup September 2025 - Present

- **ANFED** - Developed ANFED, an agriculture analytics platform integrating geospatial maps and dashboards, improving performance by 60-80%. Optimized **lazy loading, code splitting, and interactive visualizations** with a responsive, animated UI.
- **POROUS BEING** - Built an architecture portfolio featuring horizontal galleries, modal views, and GSAP animations. Delivered a **responsive, SEO-optimized UI** using lazy loading and modular component architecture.
- **FENIVI** - Developed a SPA with **real-time events, blogs, and Firestore subscriptions**. Designed a **modern, animated UI** with Tailwind CSS, GSAP, and client-side routing.

FULL STACK DEVELOPER INTERN - ADRIG AI July 2025 - December 2025

- Built responsive **UI components and layouts by replicating Figma designs**,
- Supported development of **RESTful APIs and webhook integrations** for system-to-system communication.

FULL-STACK DEVELOPER (Freelance) - RENTO March 2025 - August 2025

Built a **multi-tenant cab-booking platform** with **Role Based Access Control, live maps, payments,** and **~35% faster performance** via lazy loading.

SOCIAL MEDIA FACE MISUSE DETECTOR

Developed a **facial-recognition system** enabling real-time verification and automated alerts to prevent unauthorized image uploads and enhance platform security.

INDIAN GDP PREDICTION

Forecasted GDP per capita using **ARIMA, SVR, and XGBoost** on an imputed macroeconomic dataset (1960-2022), **improving accuracy by 15%** via ensemble modeling. **Published findings in IEEE ESIC 2025.**

CERTIFICATIONS

[Google Cloud Computing Foundation Program](#) , [Foundations of User Experience \(UX\) Design](#) , [Entrepreneurship](#) , [Intellectual Property](#) , [React Fundamentals](#) , [React Hooks](#)