

VAMSHI SARAGADAM

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PROFESSIONAL SUMMARY

Highly skilled **Frontend Engineer** with extensive experience in **React.js** and **Next.js**, passionate about shaping exceptional user experiences. Proven ability to design and implement intuitive, **responsive user interfaces** and integrate seamlessly with **backend APIs**. Strong expertise in **web performance optimization**, **UI/UX best practices**, and building **scalable and maintainable platforms**. Possesses a collaborative mindset, strong **problem-solving aptitude**, and proficiency with **Git** for source control.

TECHNICAL SKILLS

- **Frontend:** React.js, Next.js, TypeScript, JavaScript (ES6+), HTML5, CSS3, Tailwind CSS, Framer Motion, Responsive Design, UI/UX Design
- **Backend:** Node.js, Express.js, RESTful APIs, Python (for FastAPI familiarity)
- **DevOps Tools:** Git, GitHub, Vercel, Docker
- **Core CS:** System Design, Performance Optimization, Data Structures & Algorithms

WORK EXPERIENCE

Freelance-work

Portfolio & Resume AI Builder

Remote

Nov 2025 – Present

- Developed an AI-powered SaaS platform, building **full-stack application** using **Next.js** and **TypeScript** with a focus on **responsive UI** and real-time generation.
- Integrated AI prompt engineering, demonstrating ability to work with advanced APIs and contribute to end-to-end solutions.
- Ensured high-quality user experience and performance for the platform, aligning with **UI/UX best practices**.

PROJECTS

HireHawk — AI-Powered Job Application Platform

- Architected a **full-stack job platform** utilizing **Next.js** and **TypeScript**, focusing on an intuitive user interface for job matching and applications.
- **Optimized bundle size** from 2MB to 800KB, improving load time by 60%, demonstrating strong commitment to **web performance optimization**.
- Built Fast API backend with concurrent job search processing and GEMINI API integration for resume customization.

Canvas Collaborative Whiteboard — Drawing Application

- Built a real-time collaborative whiteboard supporting 50+ concurrent users, showcasing complex **frontend development** and **responsive design**.
- Engineered a real-time drawing preview system to enable seamless multi-user collaboration.
- Deployed microservices architecture with frontend on **Vercel** and Dockerized backends (http, web-socketss) on Amazon EC2, demonstrating full web development process experience.

Social Media Post Generator — AI Content Creation Tool

- Developed an AI-powered social media content generator using **React.js**, **JavaScript**, **CSS**, with a focus on adaptive tone and format across various platforms, highlighting **UI/UX design** skills.
- Reduced component count from 50 to 28 through modular architecture, improving maintainability and scalability.

EDUCATION

Maharaj Vijayaram Gajapathi Raj College of Engineering

Bachelor of Technology in Computer Science

Vizianagaram, India

May 2025

Government Polytechnic

Diploma in Computer Science

Anakapalli, India

2022

CERTIFICATIONS

Oracle Cloud Infrastructure Certified Generative AI Professional – October 2025

NPTEL Cloud Computing

LANGUAGES

English: Fluent

Telugu: Native