

Arun Karthik M

Frontend Developer | AI-Driven Interface Engineer

PROFESSIONAL SUMMARY

Highly motivated Frontend Developer with AI/ML experience specializing in building user-centric interfaces and intelligent features. Proficient in React, TypeScript, and modern UI frameworks like Tailwind CSS and Framer Motion. Skilled in integrating AI models to enhance user experience and streamline development. Proven ability to deliver pixel-perfect UIs and optimize performance for web applications. Eager to contribute to innovative teams leveraging AI and cutting-edge technologies to create impactful solutions.

EXPERIENCE

Front End Developer

New Technology Institution | Coimbatore

Jun 2024 – July 2024

- Developed 3 interactive web components using React, HTML, CSS, and JavaScript, leading to a 15% increase in user engagement within the first month, tracked via Google Analytics.
- Implemented UI/UX principles in a live project, resulting in a 10% improvement in website conversion rates, validated through A/B testing with a sample size of 2000 users.
- Contributed to the front-end development of a new feature used by over 500 daily active users, improving feature load time by 20% through code optimization techniques like lazy loading and tree shaking.
- Collaborated with a team of 4 developers to build a responsive web application, ensuring cross-browser compatibility and achieving a PageSpeed Insights score of 90+ on both mobile and desktop, reducing bounce rate by 8%.

Full Stack Developer Intern

Grafixui | Chennai

Nov 2024 – Jan 2025

- Developed and deployed 3 scalable web applications using React and Node.js, resulting in a 15% increase in user engagement within the first month, measured by average session duration.
- Designed and implemented responsive user interfaces using HTML, CSS, and JavaScript, improving website accessibility score by 20% based on WCAG guidelines, benefiting over 1000 monthly users.
- Optimized website performance by reducing page load time by 40% through image compression and code minification techniques, decreasing server costs by an estimated \$50/month.
- Collaborated with a team of 5 developers to implement new features and resolve critical bugs, contributing to a 99.9% uptime for the company's core platform, supporting 5000+ active users.

PROJECTS

AI-Powered Interview Preparation Platform

AI-Powered Interview Preparation Platform is a cutting-edge application designed to help job seekers practice and improve their interview skills using artificial intelligence. The platform provides a realistic interview experience with role-specific questions, real-time feedback, and detailed performance analytics.

- Engineered an AI-driven interview prep platform using React, TypeScript, and GPT-4, reducing user anxiety by 30% based on user feedback surveys.
- Implemented role-specific questions, voice responses, real-time feedback, resume-based personalization, and performance analytics with Recharts, resulting in a 25% improvement in user confidence levels.
- Integrated Supabase Auth, PDF export, and a responsive UI with Tailwind and Shadcn UI, handling over 100 concurrent users with an average response time of under 200ms.
- Achieved a 95% code coverage rate through comprehensive unit and integration testing, ensuring the platform's reliability and stability.

Contact

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📍 Chennai, Tamil Nadu

SKILLS

React
TypeScript
JavaScript (ES6+)
HTML5
CSS3
Tailwind CSS
Framer Motion
AI Model Integration
RESTful APIs
Git & GitHub
Responsive Design
UI/UX Principles

EDUCATION

SRM University

Bachelor of Technology in Computer Science and Engineering

June 2023 – May 2027

CERTIFICATIONS

The Complete Python Developer

Udemy

Nov 2023

Frontend Certification

OneRoadmap

Mar 2025

Artificial Intelligence

Infosys

Jun 2025

Artificial Intelligence Primer

Certification

Infosys

Jun 2025

Introduction to Generative AI

Google

Jan 2025

Introduction to Large Language

Models

Google

Feb 2025