DINESH KARTHICK MS

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📍 Chennai, Tamil Nadu, India

Passionate Computer Science Engineering student at SRMIST with skills in Web development, Agentic Ai, Python, UI/UX. Tech enthusiast passionate about solving problems and building impactful projects. Driven to create meaningful solutions in dynamic environments.

EDUCATION

2023 - 2027
SRM INSTITUTE OF SCIENCE AND TECHNOLOGY
B.Tech CSE

2016 - 2023
VELAMMAL VIDHYASHRAM, SURAPET

SKILLS

- Programming Languages: Python, C++, C, JAVA
- Web Development: HTML, CSS, JavaScript, React, Node.js
- UI/UX Design: Wireframing, Prototyping, Design Tools
- Financial & Market Analysis: Technical (Price Action, F&O) and Fundamental Analysis
- Machine learning basics from NSIC

INTERNSHIP DETAILS:

ASRAAZ BUSINESS SOLUTIONS (Jan 2025- July 2025)

1) Built multiple responsive admin dashboards and client-facing websites using React.js, HTML, CSS, and JavaScript.

2) Built a responsive travel agency website (welcometoursandtravels.com) using React, HTML, CSS, and JavaScript. Dynamic image carousel, booking inquiry form/contact us and category-based tour sections for seamless user experience.

3) Developed a small-scale eCommerce website (Home Essentials) including product listing, cart functionality, and responsive UI. Created a portfolio-style Architect website with modern layout, animations, and a responsive gallery to showcase architectural projects.

PROJECTS:

Real-Time Financial Dashboard with Technical Indicators

Developed an interactive stock market dashboard using Python, Dash, and yfinance. The application allows users to visualize real-time and historical stock price data, apply multiple technical indicators (such as SMA, EMA, RSI, MACD, and Bollinger Bands), and compare multiple stocks. It features portfolio tracking with performance metrics, a responsive and user-friendly interface, and optimized performance with data caching.

AI-Powered WhatsApp Metro Ticket Booking

Developed an automated WhatsApp bot using n8n, Python (Flask, Whisper), and Twilio to enable metro ticket booking via text or "voice messages". Integrated OpenAI Whisper for speech-to-text and fuzzy logic for accurate station recognition, with dynamic fare calculation and instant QR code ticket delivery. Streamlined the entire workflow for real-time, user-friendly metro ticketing through WhatsApp.

Web & Full-Stack Development Projects

Built multiple responsive websites HTML, CSS, JavaScript, React, and TypeScript during internship. Developed full-stack applications like a Zoo Management System and Admin Panel with Node.js and PostgreSQL, implementing RESTful APIs, authentication, and CRUD operations. Focused on clean UI/UX, accessibility, and performance. Ensured smooth integration between frontend and backend for real-world business workflows.