Karan Manickam

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Academic Qualifications

KSR Institute for Engineering and Technology, Namakkal   *2022 – 2026*
Bachelor of Engineering (B.E.) in Computer Science   **CGPA: 8.8/10**

Nirmala Matha Convent Higher Secondary School, Perundurai   *2019 – 2022*
SSLC (2019–2020): **87%**, HSC (2021–2022): **70%**

Technical Skills

- **Programming Languages:** C, Java, JavaScript

- **Frontend Technologies:** HTML5, CSS3, ReactJS, Tailwind CSS

- **Backend & Databases:** Node.js, Express.js, REST API, MongoDB, MySQL

- **Developer Tools:** Git/GitHub, Docker, Postman, VS Code, IntelliJ IDEA, Canva

Projects

Interview Preparation AI   🌐 Link

A MERN stack platform for interview preparation featuring AI-generated interview and aptitude questions, DSA sheets, and a built-in code compiler, with secure authentication and an AI assistant, powered by Gemini.

Sustainable Navigation App   ⊙ GitHub

A user-friendly mobile app suggesting eco-friendly travel routes based on user health preferences, using Google Maps and Air Quality APIs, with a custom eco-score algorithm for optimal routes.

Code Migration CLI Tool   🐳 Docker

Developed a Node.js CLI tool to automate code migration by scanning legacy projects and replacing deprecated code, supporting multiple programming languages and reducing manual effort.

Notes-Application   🌐 Link

Built a modern notes manager enabling users to create, update, and delete notes with a responsive UI, using React and Express for full-stack functionality. Implemented MongoDB for user data storage

Experience

Cube AI Solution, Namakkal   *Dec 2024 – Feb 2025*
Frontend Developer Intern | React, Tailwind CSS, JavaScript, RESTful APIs

- Developed 3+ responsive web applications with a mobile-first approach and efficient user-friendly interface.

- Reduced page load time by 30% and ensured seamless cross-browser performance across 4+ major browsers

- built modular and scalable UI components to increase code reusability and integrated RESTful APIs.

OctaNet Services Pvt. Ltd., Chennai (Remote)   *Jan 2024 – Mar 2024*
Full-Stack Developer Intern | MERN Stack, Git/GitHub

- Built and implemented **R**ESTful API endpoints in Node.js/Express to enable client–server communication.

- Implemented scalable cloud-storage with secure JWT-based authentication for reliable access control.

Accomplishments

- **5-star Java Programmer** on HackerRank | Solved 100+ problems through LeetCode, GFG, and Codolio

- Built and deployed a **website for college fest** and coordinated technical events like paper presentation 🌐 Link

- **Contributed to open-source** projects such as Kestra and KaTeX through issue identification and fixes.

- **Participated in 7+ technical events** including hackathons, paper presentations, and hands-on workshops.

Courses & Certifications

- Diploma in Computer Applications (DCA)
- Java Full Stack Developer – Coursera
- Artificial Intelligence Fundamentals – IBM
- GitHub Fundamentals – Microsoft