Manigandan Nachiappan

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Professional Summary

Results-driven **Computer Science Engineering graduate (AI & ML specialization)** with hands-on experience as a **Junior Software Engineer (Part Time)**. Skilled in **full-stack development** (React, Node.js, MongoDB) with a proven ability to build scalable applications, integrate complex APIs, and deliver production-ready features in agile environments. Secured **2nd place** in a national hackathon for innovative solution design. Passionate about solving real-world problems and contributing to impactful software products.

Technical Skills

Languages:	Java, Python, JavaScript
Frontend	HTML, CSS, React, Redux
Backend	Node.js, Express.js
Databases:	MySQL, MongoDB, PostgreSQL
Tools & Tech:	Git, GitHub, Postman, Figma, Jwt
AI/ML	RAG(Retrieval-Augmented Generation), Gemini API

Work Experience

Junior Software Engineer – SigaInfotech   Apr 2025 – Sep 2025
India

- Revamped the **Carrez** old-age home management platform, building 15+ responsive UI pages and integrating REST APIs, improving feature load speed by 30% and enhancing user engagement.
- Engineered 4+ backend entities and corresponding APIs to enable new business workflows, which reduced manual admin operations by 40%.
- Worked on **EasyDine**, a restaurant management system, focusing on Superadmin portal API integration.
- Collaborated with cross-functional teams using Git, Jira, and Microsoft Teams to deliver 5+ production-ready features within sprint timelines, ensuring zero critical bugs post-deployment.

Projects

NavX – Carpooling Platform (Team Project)

- Built the frontend using **React** and contributed to **backend data entry**.
- NavX enables cost-effective, secure inter-city travel through ride-sharing and integrates real-time monitoring for passenger safety.
- **Secured 2nd place** in the V-TAPP Coder Hunt (college-level hackathon) for its innovative approach to affordable and monitored travel.

RepoBot – AI Software Engineer on GitHub

- Developed a GitHub bot that analyzes code, interacts with contributors, generates pull requests for existing issues, and enhances documentation and README files, **reducing manual maintenance efforts by 50%**.
- Architected and implemented the entire system, successfully resolving **50+ issues** across small to mid-sized repositories during testing.
- **Tech Stack:** JavaScript, Octokit, Gemini API, ChromaDb.

Certifications

- MERN Full Stack Development — Ethnus (2023)
- Artificial Intelligence and Machine Learning — SmartInternz (2023)

Education

B.Tech, Computer Science Engineering (AI & ML)
Vellore Institute of Technology, Amaravati   2021–2025
CGPA: 8.44
12th Standard – Karpaga Vinayaga School, Tamil Nadu   2021
Percentage: 92.5%
10th Standard – Karpaga Vinayaga School, Tamil Nadu   2019
Percentage: 82.5%