Vijaya Suhaas Nadukooru

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PROFESSIONAL SUMMARY

Recent M.Tech (Software Engineering) student with a strong foundation in software design, scalable system architecture, and AI-driven solutions. Completed coursework and projects in product management, system design, and AI knowledge systems. Fluent in English with strong communication skills. Eager to leverage analytical abilities to build practical, scalable products and achieve impactful user-driven solutions in a dynamic technology environment.

EDUCATION

National University of Singapore – Singapore   *Aug 2026*
Master of Technology, Software Engineering
GPA: 4.0 / 5.0

Vellore Institute of Technology – Vellore, India   *Aug 2025*
Bachelor of Technology, Information Technology
CGPA: 8.21

SKILLS

Programming & Development: Python, JavaScript (React, Node.js), Java, SQL
AI & System Design: LangChain, RAG pipelines, API-based system design
Cloud & DevOps: Docker, AWS, Microsoft Azure, Git, Linux
Collaboration & Coordination Tools: Jira, Confluence, VS Code, Kafka (basic), Redis, n8n, Figma, Microsoft Teams, Google Calendar, OneNote, Notion
Agile & Project Management: Scrum, Kanban, sprint planning, backlog discussions, product management concepts, product launch preparation, KPI dashboards, marketing review support, budget allocation basics, cost centre tracking, reporting workflows, presentation preparation (PowerPoint, Excel), stakeholder management, multitasking
Communication: Fluent English communication

PROJECTS

SpaceFlow — Smart Workplace Platform (System Design & Exploration)

- Learning-focused project on product and system architecture covering space booking, occupancy tracking, analytics, and AI-assisted insights.
- Independently owned the full lifecycle of a multi-service platform — from architecture and API design to implementation, debugging, and CI/CD — making critical technical decisions without supervision.
- Demonstrated strong attention to detail by enforcing strict API contract alignment and diagnosing subtle CI/CD and environment issues.
- Managed time effectively by breaking the project into milestones and intentionally reducing scope to ensure timely delivery and review readiness.

AI Knowledge Assistant (RAG-Based System)

- Designed and implemented a Retrieval-Augmented Generation (RAG) system to extract and handle structured data, applying structured thinking and problem-solving to improve information retrieval accuracy and system efficiency.
- Improved response latency by approximately 50% through optimized retrieval pipelines and containerized deployment.
- Gained experience translating system design decisions into user-facing performance improvements.

CERTIFICATIONS

AWS Cloud Practitioner – Amazon

Microsoft Azure AZ-104 – Microsoft

Generative AI (IBM) – IBM

Agile with Atlassian Jira – Atlassian