

Joothiswaran Palanisamy

AI Engineer – agentic systems, MCP, voice AI

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joothiswaran.in

AI Engineer who builds agentic systems, MCP integrations and real-time voice AI, and ships them to production. Sole builder of KubeTrace, an AI root-cause platform for regulated Kubernetes clusters, and Rubricate, an agentic voice-interview and evaluation platform. Looking for a full-time AI Engineer role.

EXPERIENCE

AI Engineer · Dataclap

Nov 2025 – Present · Coimbatore

- Cut Kubernetes root-cause investigation from hours of manual expert work to seconds with a read-only AI agent, backed by 5 automated validation suites with compliance-ready reports.
- Built an LLM evaluation stack (rubric-based LLM-as-judge, Langfuse and Phoenix tracing, Label Studio human review, promptfoo red-teaming) to keep automated candidate scoring consistent and auditable.
- Built a VLM benchmarking tool and a 14-stage egocentric video + IMU pipeline that turn first-person recordings into training datasets for embodied AI.
- Solely built the entire KubeTrace platform — an AI-driven Kubernetes reliability platform with MCP-based multi-tool integration and real-time, read-only cluster analysis.
- Solely built the entire Rubricate platform — an agentic AI voice-interview platform with a full automated evaluation pipeline and scoring workflows.
- Designed AI agents and MCP clients/servers powering automation workflows across products.
- Owned architecture, backend, and real-time data pipelines from prototype to production.

Software Team Lead · Rehabionics · Startup

Apr 2025 – Oct 2025 · Coimbatore

- Led a software team for healthcare product development.
- Coordinated sprint planning, task assignment, and code reviews.
- Delivered full-stack features (React / React Native frontend + Node.js backend).
- Integrated ML modules for real-time product functions.

SELECTED PROJECTS

KubeTrace · kubetrace.net

MCP-based multi-tool integration with real-time, read-only cluster connect · AI root-cause investigation across multi-cluster, regulated production environments · Automated security, network, performance, storage & API test suites with compliance reports
Kubernetes, MCP, AI Agents, Python, TypeScript, Automation

Rubricate · rubricate.net

Agentic AI voice interviews that adapt to each candidate in real time · End-to-end automated evaluation pipeline with scoring rubrics · Automation workflows for sourcing, screening, and expert onboarding
Agentic AI, Voice AI, LLM Evals, Python, Automation

SKILLS

Languages	Python, TypeScript, JavaScript, SQL
AI / ML & LLM	PyTorch, TensorFlow, LangChain, RAG, OpenCV
Agentic & MCP	MCP Clients & Servers, AI Agents, Voice AI, Automation Workflows
Backend	FastAPI, Node.js, REST APIs, WebSockets
Frontend	React, Next.js, React Native, Tailwind CSS
Infra & DevOps	Kubernetes, Docker, Linux, Git & GitHub
Data	MySQL, Firebase, Data Pipelines, ETL

EDUCATION

B.Tech in Artificial Intelligence & Data Science · Suguna College of Engineering 2022 – 2026 · CGPA 7.45
HSC — Mathematics with Computer Science · SSBMV Matric. Hr. Sec. School 2020 – 2022 · 72%

CERTIFICATIONS

AI Engineer Associate Certificate · Udemy (School of AI) RSDCA Certificate in Data Analytics · BIA
Database and SQL for Data Science · Coursera (IBM) Prompt Design in Vertex AI · Google Cloud
Foundation of Prompt Engineering · AWS

ALSO

- Engineering blog at joothiswaran.in/blog: AI agents, voice AI, LLM evals, VLM benchmarking and embodied-AI data pipelines.