

Kushvinth Madhavan

kushvinth.com

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EDUCATION

SNU CHENNAI

B.TECH CSE WITH IOT

May 2024 | Chennai, India

KAMALAVATI SR SEC SCHOOL

SCHOOLING

May 2024 | Tuticorin, India

percentage: 95%

LINKS

Github:// [kushvinth](#)LinkedIn:// [kushvinth](#)Twitter:// [@kushvinth](#)

COURSEWORK

UNDERGRADUATE GRADUATE

Advanced Object Oriented Programming

Artificial Intelligence

Database Management Systems

Data Structures and Algorithms

Cloud Computing

DevOps

CERTIFICATE

Google AI Essentials

ML Fundamentals by Andrew Ng

MLOps Bootcamp - Krish Naik

SKILLS

PROGRAMMING

Mastery Over:

Python • Docker • Javascript • Bash

Nginx • iOS • MySQL • Markdown

Familiar With:

C • C++ • CSS • Assembly • \LaTeX

Explored:

Go • Android

OTHER SKILLS

LEADERSHIP SKILLS

School Pupil Leader • 2024

Yellow House Captain • 2023

MENTORSHIP

Mentored 100+ Learners

• Programming & ML fundamentals

• OSS contribution & collaboration

EXPERIENCE

CRAYON'D | AI ENGINEER

May 2025 – Dec 2025

- Built and deployed agentic AI systems for multinational clients, enabling autonomous workflows and decision-making.
- agent coordination.
- Designed self-hosted AI infrastructure and production-grade LLM pipelines with tools, memory, and multi-Agents workflows

DATA PATTERNS | MACHINE LEARNING INTERN

Jan 2025 – Feb 2025

- Supported development, deployment, and testing of Large Language Models (LLMs) for enterprise use cases.
- Worked on model evaluation, prompt optimization, and inference pipelines

OPENSOURCE CONTRIBUTIONS

GOOGLE DEEPMIND | OPEN SOURCE CONTRIBUTOR

Improved simulation workflows, and fixed performance issues in a complex scientific computing environment.

PR #1704

PR #1741

PR #1742

APPLE | OPEN SOURCE CONTRIBUTOR

Optimised stable diffusion model for apple silicon and coreml workflows on deployment targets >iOS18.

PR #391

AWARDS

2026	1 st /500	Defy'26 Hackathon
2025	International	Kaggle Silver Medal
2024	2 th /2000	crayon'd hackathon
2019	1 st /50	IIT Hyderabad Junior Hackathon Winner
2018	National	International Space Olympiad Finalist

PROJECTS

2026	ZELL	AI Swarm Civilization Engine with 1 Million Agents
2025	HomeLab	Self-hosted AI + infra stack (40+ services)
2025	LIC	CLI license generator (PyPI + Homebrew)
2025	Shazam	Music recognition using audio fingerprinting
2025	Freedle	Wordle clone with React + animations
2024	DosAI	iOS app for food macro tracking via AI
2024	Dotfiles	My attempt of riceing macOS

PUBLICATIONS

- [1] K. Madhavan. Edge ai system architecture and optimisation on macos silicon. *Project / Industry Work*, 2025.