

Yeshwanth S



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Summary

Computer Science with (AI&ML), student focused on building practical systems and tools, with experience in databases, APIs, web-development and applied AI through hands-on projects.

Education

PSG College of Technology CGPA: 8.80/10
Computer Science and Engineering(AI-ML) Coimbatore, TamilNadu • Aug 2023 – Present

Bharathiyar Matric Higher Secondary School HSC • 98.5%
Attur, Salem, TamilNadu • June 2022 – March 2023

Projects

VigiLens – Video Intelligence System | Python, Redis, Gemini, Minio, FFmpeg, SQLite Mar 2026 – Present

- Built a real-time CCTV monitoring system using a lightweight vision-language screener to filter streams and multimodal LLMs to verify events, enabling alerting and querying history of events.
- Designed pipeline with Redis and Modal(inference provider) for scalable processing, with event storage, queryable timelines, and observability (Opik) for latency tracking and tracing the system. [GitHub](#)

Terminus | Python, Gemini, Ollama, Typer

- Built a Command Line Interface(CLI)-first automation framework for file management, development workflows, and productivity tasks(integrated with gmail and google calendar) using via natural language.
- Designed context-aware command execution and built an evaluation pipeline to validate tool selection, achieving 94% accuracy(LLM as a JUDGE) with observability and performance tracking via OPIK. [GitHub](#)

LINK- Network Monitoring System | FastAPI, SQLite, Next.js

- Built a background service to schedule/continuously measure network speed, latency, and jitter, exposing live metrics through a FastAPI backend as a CLI tool to analyse the inconsistencies of network.

Volunteer Experience

THE EYE (Cybersecurity Society) June 2024 – Present
Technical Team Member, Organized technical events and developed internal tools for the society.

- CTF Portal | Express, React, MongoDB: Collaboratively built a full-stack Capture-The-Flag platform with session-based authentication, real-time WebSocket scoreboard, dynamic challenge unlocking; scaled to 300+ concurrent users. Streamlined event ops with admin portal for challenge management and analytics.
- TranscribeX | Flask, React, Generative AI: Co-Developed a web app for video transcription, subtitle generation, and AI summarization, deployed during workshops to auto-generate content for participants.

Skills/Certifications

Core CS

Data Structures, Object-oriented Programming, Operating Systems, DBMS, Machine Learning

Languages / Frameworks

Python, SQL, C, fastAPI, Flask, React

Dev+Ops Tools

Git, GitHub, Docker, Convex-db, Supabase, Vertex AI, Redis, Opik, Postman, llama-factory, ollama, Vercel

Certification

Oracle's AI-Foundations Associate, Finetuning, RAG

Hackathons

Edge AI Developer'25 | AI for Edge Devices
Qualcomm
Achieved Finalist among 1000+ national teams in the Edge AI Application Track for the project Luna, an offline AI-powered podcast editor enabling speaker diarization, transcription, and voice regeneration

Agentic AI Day 2025 | Agentic AI Hackathon
Google
Selected among 700+ shortlisted teams from 57,000+ global participants for developing receipt assistant for Google Wallet using Google's Agent Development Kit and Vertex AI.