Evode Manirahari

manirahari@sonoma.edu   evodemanirahari   EvodeManirahari   evode-manirahari

EDUCATION

Sonoma State University   Rohnert Park, CA   Expected Graduation: May 2027
BS in Computer Science
- **Relevant Coursework**: Data Structure, Software Design, Databases.

Mendocino College   Ukiah, CA   Graduated: May 2025
AS for Transfer in Computer Science
- **Relevant Coursework**: Programming & Algorithms I&II (Java/C++), Computer Organization & Architecture, Calculus 1&2, Discrete Math.

TECHNICAL SKILLS

Languages: Python, Java, C++, JavaScript/TypeScript, SQL, HTML/CSS
Frameworks: FastAPI, Spring Boot, React/Next.js, Django
Tools/ML: Git/GitHub, Docker, GCP/AWS, PostgreSQL, MongoDB, PyTorch, TensorFlow, NumPy/Pandas, OpenCV, LangChain

WORK EXPERIENCE

Mendocino College — Sustainable Technology Program   Ukiah, CA
IT Support & Software Developer   *Jan 2024 – Jun 2025*
- Built and maintained software used to analyze spectroscopic data from the CAMS spectrograph; work supported research by teams at the SETI Institute and NASA.
- Optimized the analysis workflow, reducing processing time by ~95% and increasing dataset throughput.
- Supported **27 faculty** and **500+ students** with technical issues, coordinating with campus IT to restore services quickly.

Mendocino College — MESA (Mathematics, Engineering, Science Achievement)   Ukiah, CA
Tutor (Calculus I–II; Data Structures & Algorithms)   *Dec 2024 – Jun 2025*
- Supported a cohort of **50+ students** through weekly small group sessions and 1:1 tutoring in Calculus I–II and Data Structures & Algorithms.
- Led coding labs primarily in **C++** (with examples in **Java** and **Python**) on stacks, queues, hash tables, binary trees, and graphs; emphasized problem solving and Big O analysis.
- Guided students on lab assignments by reviewing code for correctness/readability and guiding debugging and test driven approaches.

Student Senate for California Community Colleges (SSCCC), Region I   Sacramento, CA
Treasurer Region I   *Nov 2024 – Jun 2025*
- Oversaw budget serving **2.1M+ students** across **116 colleges**, driving full transparency with monthly reports.
- Streamlined reimbursements with new systems, boosting fund utilization by 68% and launching "Budget 101" workshops for campus leaders.
- Built live financial dashboards and expanded funding access, enabling student-led events and statewide outreach while ensuring compliance.

Reality AI Labs   Remote
AI Engineer Intern   *April 2024 – Sep 2024*
- Built **ReX**, an AI career coach powered by **OpenAI API** + **Google Gemini**, delivering personalized coaching, mentorship, and job-search support across the learner lifecycle.
- Implemented adaptive ML that tailored guidance to each learner's goals and progress, boosting coaching throughput by 40%.
- Shipped RAG over resumes, job posts, and course content using **LangChain/LlamaIndex**, embeddings, and a vector DB (FAISS/Pinecone) to ground answers and cut generic responses.
- Designed an eval harness with **unit tests** + A/**B testing** and **Weights & Biases** tracking to validate improvements before rollout, instrumented telemetry for quality and latency.
- Productionized APIs with **Python/FastAPI**, **Redis** caching, **Docker,** and **GCP/AWS** services; monitored reliability and kept p95 latency low under load.

Web3 Labs   San Francisco, CA
Software Engineer Intern   *Feb 2024 – Jun 2024*
- Engineered robust backend systems with Java, Spring Boot, and Hibernate, slashing manual data handling by **80%** and boosting development efficiency.
- Integrated **Kafka** for high-speed, real-time data pipelines—**40%** faster transfers—and deployed **Snowflake on Azure** to cut query latency by **25%**, enhancing scalability and performance.
- Delivered cloud-ready, enterprise-grade services that dramatically improved data flow reliability and operational agility.

Kundwa Health   Kigali, Rwanda
Software Developer   *Dec 2021 – Jan 2024*
- Built an HTML5 Canvas + JavaScript game to teach Sexual & Reproductive Health (SRHR) and mental health to Rwandan youth.
- Improved adolescent SRHR outcomes by **65%** in pilot sessions
- Localized content in Kinyarwanda/English to ensure cultural relevance.
- Recognized as *Most Innovative Solution* at iAccelerator Bootcamp; secured **$15,000 funding** from Hanga Pitchfest 2024.

PROJECTS

UC Berkeley– AI Hackathon Summer 2025—**Full-Stack Multi-Agent AI Cybersecurity Platform**
- Built **FastAPI/WebSocket** + **Three.js** system simulating 9 social engineering scenarios with GPT-4 powered agents.
- Designed scalable microservices with **Docker & PostgreSQL**, enabling seamless transition from demo mock agents to enterprise LLM deployment.
- Delivered AI-powered analytics with conversation analysis, vulnerability detection, and automated security reports for organizational training.

Dejavas — AI Marketing Intelligence Platform
- Built **FastAPI** + **LangGraph** system with autonomous AI agents, deep persona DNA, and **22+** production-ready APIs.
- Delivered Grammarly-like extension with real-time content scanning, multi-language/voice analysis, and integrations across Slack, Discord, Shopify, and WordPress.
- Deployed **PostgreSQL**, **Redis**, **Prometheus**, **Grafana**, and **CI/CD** pipelines with **300+** tests, ensuring scalable and reliable performance.

CodeQuest Jr. — Gamified Python Learning for kids
- Architected CodeQuest Jr. **React+TypeScript SPA** (25+ components) with **Pyodide** workers for client-side Python; Vite-optimized to ~0.5 MB; added hidden autograder + staged hints for instant feedback.
- **Shipped 25 levels** (drag-and-drop → Python), Canvas/Web Audio effects, progress saves, and educator analytics; d**eployed on Vercel** with **GitHub Actions CI** and per-PR preview deploys.

FunHealth —Interactive health education
- Designed and built Board-game quizzes, service finder connects Rwandan youth to SRHR care.

EXTRACURRICULARS AND AWARDS

- 2x National Bank of Rwanda Schools Quiz Challenge winner (2020 &2021)
- Hanga Pitchfest 2024 — $15,000 award
- NVIDIA Summer Bridge Program Participant (2024)
- ColorStack Member & NSBE Member 2024-present
- Codepath Intermediate Technical Interview Prep Course Participant (2025)
- Activities Director in Associated Students of Mendocino College (2024-2025)
- President of AI Building& Startup club at Sonoma State University (2025)