Evode Manirahari

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EDUCATION

Sonoma State University　　　　　　　　　　Rohnert Park, CA　　　　　　　　*Expected Graduation: May 2027*

BS in Computer Science

- **Relevant Coursework**: Data Structure, Software Design, Database, Programming & Algorithms I & II (Java/C++), Computer Architecture, Calculus 1&2, Discrete Math, Algorithms Analysis

TECHNICAL SKILLS

Languages: Python, Java, C++, SQL, HTML, JavaScript, TypeScript
Frameworks/Libraries: FastAPI, Spring Boot, React
Cloud & Data: AWS, GCP, Docker, PostgreSQL, Snowflake, Kafka
ML/AI: PyTorch, TensorFlow, NumPy, Pandas, OpenCV, LangChain, LlamaIndex, FAISS, Pinecone
DevOps/Other: Git/GitHub, CI/CD, Redis, Weights & Biases, OpenAI API, Google Gemini

WORK EXPERIENCE

Mendocino College　　　　　　　　　　　　　　　　　　　　　　　　　　　Ukiah, CA
IT Support & Software Developer　　　　　　　　　　　　　　　　　　　*Jan 2024 – Jun 2025*

- Developed **Python analysis pipeline** for CAMS spectrograph data in collaboration with SETI Institute and NASA teams, implementing automated scripts for **data ingestion, preprocessing, calibration, and export.**

- Reduced manual processing steps and improved data consistency through workflow automation, decreasing processing time by **~95%** and significantly increasing dataset throughput.

- Supported **27 faculty** and **500+ students** by **troubleshooting** and resolving **1,200+** software issues annually, collaborating with campus IT to restore services and minimize downtime.

Reality AI Labs　　　　　　　　　　　　　　　　　　　　　　　　　　　　Remote
AI Engineer Intern　　　　　　　　　　　　　　　　　　　　　　　　　*Apr 2024 – Sep 2024*

- Built **ReX**, an AI career coach using **OpenAI, Google Gemini, and Python** delivering personalized coaching and job search support.

- Implemented **adaptive ML (Python)** to tailor guidance to learner goals/progress, **boosting throughput 40%**.

- Implemented **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.

- Built 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 **FastAPI** services with **Redis caching and Docker on GCP/AWS**; monitored reliability and maintained **p95 latency < 300 ms** under peak load.

Web3 Labs　　　　　　　　　　　　　　　　　　　　　　　　　　San Francisco, CA
Software Engineer Intern　　　　　　　　　　　　　　　　　　　　*Feb 2024 – Jun 2024*

- Engineered backend services with **Java/Spring Boot/Hibernate**, reducing manual data handling **80%**.

- Integrated **Kafka** for high-speed pipelines (**~40%** faster transfers) and deployed **Snowflake on Azure** to cut query latency **~25%**.

- Improved reliability and scalability across cloud-ready, enterprise services.

PROJECT EXPERIENCE

FunHealth —Interactive Health Education　　　　　　　　　　　　　　　Kigali, Rwanda
Lead Developer　　　　　　　　　　　　　　　　　　　　　　　　　*Oct 2024 –Present*

- **Winner,** Hanga Pitch Fest '24 ($15k).

- Built an **HTML5** Canvas and **JavaScript** board-game quiz to teach sexual & reproductive health and rights (SRHR) and service finder; increased engagement by **40%** and retention by **25%** within the first 3 months.

UC Berkeley — AI Hackathon　　　　　　　　　　　　　　　　　　　　Berkeley, CA
Hacker　　　　　　　　　　　　　　　　　　　　　　　　　　　　　*Jun 2025*

- Built a real-time **GPT-4** multi-agent social-engineering simulator using **Python, FastAPI/WebSocket and Three.js.**

- 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.

CodeQuest Jr. — Gamified Python learning for kids　　　　　　　　　　Rohnert Park, CA
Developer　　　　　　　　　　　　　　　　　　　　　　　　　　　　*Aug 2025*

- Built a **React and TypeScript** SPA (**~25 components**) with **Pyodide web workers**; tuned **Vite** to ship a **~0.5 MB** production bundle.

- Delivered **25 levels** (drag-and-drop, hidden autograder, staged hints) with **Canvas/Web Audio**, progress saves, and educator analytics; deployed on **Vercel** via **GitHub Actions CI**.

EXTRACURRICULARS AND AWARDS

- 2x National Bank of Rwanda Schools Quiz Challenge winner (2020 &2021)
- Hanga Pitchfest 2024 Award
- NVIDIA Summer Bridge Program Participant (2024)
- ColorStack Member & NSBE Member
- Activities Director in Associated Students of Mendocino College (2024-2025)
- Treasurer Region I, Student Senate for California Community Colleges (SSCCC), Region I (2024-2025)
- CodePath Intermediate Technical Interview Prep Course Participant (2025)