MARY NANSIKOMBI

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SUMMARY

- CS honors student with AI/ML and full-stack experience who excels at translating complex technical concepts for non-technical stakeholders
- Proven in customer-facing demos, code reviews, and end-to-end project delivery, competitive, high-ownership mindset in startup-like teams

EDUCATION

Oregon State University, Corvallis, OR

- B.S. in Computer Science (Honors), Minor in Business, GPA: 3.76
- Anticipated Graduation: Dec 2025
- Relevant Coursework: Software Engineering, Operating Systems, Databases, Web Dev, Data Structures, Algorithms, Intro to AI, Security, Mobile Dev, Innovation/Entrepreneurship,Machine Learning and Data Mining

TECHNICAL

- Languages/Frameworks: Python, JavaScript, React, Node.js, SQL, HTML/CSS, C/C++, PHP, Bash
- AI/ML: TensorFlow, scikit-learn, NumPy, Pandas, NLP (BERT, VADER), RAG
- Dev/Infra: Git/GitHub, REST APIs, Docker, CI/CD, Unix/Linux, PLV8/Postgres, Figma
- Practices: Agile/Scrum, code reviews, testing, data visualization
- Emerging Ai technologies: Uizard, figma ai, claude, deep seek, web flow, wix, Chat Gpt

EXPERIENCE

AI Solutions/Research Intern, AGAID Institute (National AI Research Institute), Pullman, WA Jun 2024 – Aug 2024

- Delivered stakeholder briefings and demos of ML pipelines which simplified complex model behavior for research partners across multiple labs
- Developed and validated deep learning models (TensorFlow, Pandas, NumPy) achieving 86% accuracy in wheat object detection; authored reusable OOP components for cross-dataset use
- Performed code reviews, data/metric visualizations (Matplotlib, Seaborn), and proof of concept iterations to align models with partner requirements thus unblocked decisions
- Drove process improvements across labs, reducing workflow bottlenecks by 20% and increasing operational efficiency

Machine Learning Instructor (Part-time/Projects) 2025 – Present

IDTech Camps   Stanford University Palo Alto

- Taught Python, security fundamentals, and ML concepts; guided students to build image recognition, dense and recurrent neural network sequence models (TensorFlow/Keras)
- Increased course completion by 30% via hands-on projects and clear explanations tailored to different audiences furthering student understanding of machine learning and usability of AI agents such as Claude, Figma Ai, Chat Gpt, Uizard.

PROJECTS

Enterprise-Facing Web Application, Oregon State University Sep 2023 – Present

- Built full-stack features with React, Node.js, and Python; conducted code reviews and ran demos to stakeholders
- Boosted matching feature by 40% by implementing database layers in PostgreSQL and MongoDB, while participating in Agile ceremonies and documenting workflows.
- Utilized firebase to set up authentications for customers for easy login and logout access reducing timeline bottlenecks by 40%
- Developed wireframes using Figma, Uizard, and Figma AI to visualize user flows, enhance proof-of-concept presentations, and improve stakeholder engagement and decision-making processes
- Created a basic flight app showcasing flight times, status and departures using kotlin, android studio and geo-referencing

Enobase – Senior Capstone (LLM + Databases + Analytics) Sep 2024 – Present

- Bridged customer needs with AI engineering: used LLMs to translate natural language to data models and synthetic data generation
- Collaborated with a technical team to implement PLV8 in PostgreSQL and containerized the solution with Docker, delivering reliable proof-of-concept functionality.

Restaurant DB with UI/Backend Integration Sep 2024 – Present

- Designed SQL schemas, constraints, and triggers; built Python backend and JS/HTML/CSS frontend
- Added NLP sentiment module (BERT/VADER) to categorize product feedback; reviewed repository contributions via Git workflows

LEADERSHIP & ACHIEVEMENT

- Finalist, InnovationX College of Business Entrepreneurship Competition (Jan 2024)
- OSU Hackathon Coding Competition (Google Track): 3rd-best project using Gemini API, Node.js, JavaScript
- Roles: Treasurer, Adaptive Technology Engineering Network; Public Relations Officer