

LIZA TINKU JOSE

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🌐 [Portfolio](#)

Education

University of California, Davis

Bachelor of Science in Computer Engineering, 2x Dean's List

Expected: June 2026

Davis, CA

Experience

Production Engineering Fellow

June 2025 – Present

Meta and Major League Hacking

New York, NY

- Selected for the highly competitive Meta-MLH Production Engineering Fellowship (2.5% acceptance rate); committing 20 hrs/week to hands-on systems development, mentorship and collaboration.
- Engaging in weekly coffee chats with Meta engineers, learning about infrastructure, Linux, and industry best practices.
- Built and deployed an open-source Flask web application; configured a VPS on DigitalOcean with DuckDNS, and replaced tmux-based deployment with a systemd-managed service for uptime and auto-restarts via custom bash scripts.
- Wrote 20+ unit and integration tests using Python's unittest and Peewee ORM, improving test coverage of API and database logic by 90%; all tests passed in under 2ms.

Full-Stack Developer

December 2024 - March 2025

Top Garden Landscaping

Remote

- Developed a responsive MERN stack (MongoDB, Express.js, Node.js, React) web application, used by 100+ customers with RESTful APIs for seamless communication between frontend and backend.
- Designed an intuitive user interface with React.js and Tailwind CSS for a responsive and seamless frontend.
- Implemented user authentication and role-based access using MongoDB and JWT for data integrity and privacy.

Undergraduate Researcher

Sept 2024 – Present

UC Davis College of Engineering

Davis, CA

- Building machine learning models to predict Alzheimer's progression using cross-modal transformers with attention mechanisms on a 1M+ file ADNI dataset.
- Led task management for a team of 6, collaborating with a PhD researcher and 5 undergraduates while overseeing 15+ tasks in Jira.
- Presented a poster to 100+ attendees at the Northern California Undergraduate Research Symposium(NCURS) at SJSU.

Projects

PartyPal — HackDavis 2025 | *React Native, TypeScript, Supabase, Expo*

- Built a cross-platform mobile app in 24 hours using React Native to help students find social events and access safety resources; collaborated with 2 designers to rapidly iterate on UI/UX.
- Implemented a dynamic map and live event listing, pulling data from Supabase and tagging events with substance use indicators (e.g., Alcohol, Weed, Narcan).
- Designed harm reduction features, with plans to add LLM-based safety insights using proximity and past incident data.

PhishFilter - UCBerkeley AI Hackathon 2025 | *Claude Opus 4, React Native, Fast API, Vapi*

- Built an AI-powered full-stack app in 24 hours at the UC Berkeley AI Hackathon to identify scam emails and phone calls.
- Developed the backend using FastAPI to parse phishing emails and integrated Claude Opus 4 for scam detection, achieving 74% accuracy.
- Designed the frontend for a user-friendly experience using React Native and Tailwind CSS.

Technical Skills

Frontend: HTML/CSS, JavaScript, TypeScript, React.js, Next.js, Tailwind CSS

Backend: RESTful APIs, Python, C, C++, Flask, Express.js, Node.js, SQL, Firebase, Supabase

Tools and Libraries: Git, GitHub, Docker, VS Code, Jira, TensorFlow, Pytorch, NumPy, Pandas, SciKit-Learn

Leadership

External Vice President

June 2024 - March 2025

Institute of Electrical and Electronics Engineers

Davis, CA

- Led member engagement and professional development for a 50-member club through event management and promotion.
- Fostered collaboration with industry leaders like HPE and TI to expand the chapter's network and organize events.
- Streamlined operations and supported the President in managing officer meetings and chapter initiatives.