

VIKRANTH VEGESINA

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EDUCATION

The Ohio State University, Columbus, Ohio

B.S. Computer Science and Engineering Expected May 2028

EXPERIENCE

Technology AI/Data Governance Intern May 2026 – Present

American Electric Power Columbus, Ohio

- Built AI-enablement tools and repeatable LLM evaluation workflows adopted by the enterprise ModelOps team, standardizing how model outputs are benchmarked across the entire enterprise.
- Configured the Collibra data catalog and metadata standards to support enterprise-wide data governance.
- Placed in the Top 10 of 100+ teams at AEP's internal AI Agent Hackathon.

Software Engineering Research Aide Jan 2026 – May 2026

Nationwide Children's Hospital, Columbus, Ohio

- Built iOS and Android apps (AWS Amplify, DynamoDB, Cognito) featuring an AI chatbot and data visualization for care coordinators.
- Created an AI chatbot with multi-API integration, giving instant access to 100+ social care resources.
- Designed a streamlined onboarding flow and interactive data views that improved usability for end users.

Web Designer Aug 2022 – Nov 2025

Sweeja Jewelry LLC Columbus, Ohio

- Built the e-commerce site (Java, TypeScript, CSS), improving accessibility and visibility by 70%.
- Designed a structured inventory database that streamlined product management for the business owners.
- Partnered with business owners on consistent design and branding, contributing to a 30% increase in customer inquiries and measurable revenue growth.

Software Engineering Intern Apr 2022 – Jul 2022

Accenture Columbus, Ohio

- Built an interactive Java virtual pet app with modular, event-driven features, tested by 12 users.
- Applied iterative development practices with mentor feedback to refine scope and ship on schedule.

TECHNICAL SKILLS

- Languages:** Python, Java, C, JavaScript, TypeScript, SQL, HTML, CSS, MATLAB
- Frameworks:** scikit-learn, OpenCV, LangChain, Arize Phoenix, React, Next.js, Expo, Tailwind CSS, Amplify
- Developer Tools:** OpenAI API, Gemini API, Copilot Studio, Claude, Ollama, Collibra, Git, Firebase, Supabase, DynamoDB, Cognito, Android SDK
- Expertise:** Agentic AI, LLM evaluation, ModelOps, computer vision, NLP, full-stack development, data governance

PROJECTS

TheoHealth — Co-Founder, Medical Diary AI (Private repository)

Gemini API, Firebase, React Native | Oct 2025 – Feb 2026

- Led a 10-person team building a conversational health diary that converts patient narratives into structured clinical data.
- Built an AI extraction pipeline (85% accuracy) for symptoms, medications, and mood; won 1st at Give Back Hack and 3rd at OSU Appathon.
- Refined the UI through 40+ user surveys and established physician partnerships for pilot testing.

Gotham AI <https://github.com/triple06/GothamAI>

Llama 4, Groq API, RAG, React, TypeScript, Supabase | Sept 2025 – Dec 2025

- Built a multi-modal AI assistant with three voice-distinct Batman-universe personas, each with custom TTS; won 2nd place at BDAA's Gala
- Integrated face and voice biometric authentication, real-time vision analysis, and 5 interactive mini-games.
- Implemented function calling, RAG, the Web Speech API, and real-time streaming for responsive multi-modal interaction.

AEP Power Grid Simulator <https://github.com/triple06/aepHackathon>

Next.js, React, AI Agents | Oct 2025

- Built a web app simulating power line outages with agentic AI for the AEP hackathon challenge; won 2nd place at Hack OHI/O 2025.

AutoPatt (Private repository)

Python, OpenCV, Arduino, C | Oct 2024 – Apr 2025

- Built a semiconductor tracking system (OpenCV, Arduino servos) automating detection/rotation at ~99% accuracy; won 1st at Intel Hack OHI/O 2024, 2nd at OSU Tech Showcase 2025.

AdviseBot https://docs.google.com/presentation/d/1Lv4M7nYDbX-TdNwPD_kOThuMOeA8bba6p0GpzjwluLg/edit?usp=sharing

Agentic AI | Oct 2024

- Built an AI-driven virtual academic advisor improving OSU advisory workflow efficiency by 40%; won 1st at Accenture's OSU Case Competition.