

Colin Onevathana

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Murfreesboro, Tennessee, United States

EXPERIENCE

Digital Marketing & UI/UX Intern

November 2025 – January 2026

Value Aligners

Remote

- Accelerated website redesign timeline by **3 weeks** by spearheading migration of **50+** legacy design assets from Figma using Model Context Protocol (MCP) and implementing responsive UI components with Next.js and Tailwind CSS, resulting in **40%** faster page load times and **25%** increase in mobile user engagement.

EDUCATION

Middle Tennessee State University (MTSU)

Murfreesboro, TN

Bachelor of Science in Computer Science - Business Applications

May 2026

- **Honors & Recognition:** Dean's List, Cum Laude, **6X Hackathon Winner**
- **Relevant Coursework:** Data Structures and Algorithms, Databases, Software Engineering, Discrete Math

PROJECTS

PoliDex | *Next.js, TypeScript, Python, Java, MongoDB, Gemini, ElevenLabs*

April 2026

- Built a 20-dimensional political alignment engine that scores politicians against user policy vectors using a custom-derived weighted cosine similarity formula, backed by a Java-orchestrated k-d tree spatial index in MongoDB for sublinear nearest-neighbor retrieval across **500+** legislators.
- Won **Best Use of MongoDB Atlas** at Hackabull VII by delivering a full multi-language inference pipeline, Gemini-powered legislative RAG tagging, ElevenLabs voice-cloned debate simulation, and a Chrome extension.

Catalyst | *React, FastAPI, Plaid, ElevenLabs, Supabase*

April 2026

- Developed a proactive cloud-credit and subscription burn tracker for startups by integrating Plaid API for real-time financial tracking and ElevenLabs for automated multilingual voice notifications.
- Optimized startup runway by identifying an average of **15%** in redundant subscription costs through the implementation of a regression-based burn-rate forecasting model using AI-driven historical analysis.

Aether | *React, FastAPI, Langchain, PostgreSQL*

March 2026

- Engineered an AI-assisted medical bill advocate platform that helps patients resolve hospital bills through a guided workflow and deterministic line-item analysis of hospital bills.
- Increased potential patient savings by **20%** by automating the cross-referencing of **500+** federal and state financial assistance programs against parsed medical billing codes using Langchain.

AveloHealth | *React, FastAPI, Teli.ai, Snowflake, TypeScript, Python*

February 2026

- Bridged Patient and Healthcare professionals by leading frontend development of a HIPAA-compliant digital health diary with encrypted symptom logging and AI-powered appointment scheduling, winning "**Best Use of Snowflake**" and "**Best AI Prompt Engineering**" awards among 100+ submissions at **SpartaHack 11**.
- Streamlined patient-provider communication by integrating Teli.ai natural language processing with Snowflake data warehousing to analyze symptom patterns and generate physician-ready health summaries.

Rebuilding Together Nashville Hackathon | *Python, Pandas, Data Analysis*

October 2025

- Maximized community impact for nonprofit housing organization during 8-hour data sprint hackathon by processing and analyzing 1,000+ rows of home repair requests using Python and Pandas, developing a priority scoring algorithm that identified 50 high-severity, low-cost repairs (<\$2,000 each) affecting elderly and disabled homeowners, **earning 1st place** and enabling **\$100,000+** in targeted repair funding.

TECHNICAL SKILLS

Languages: Python, JavaScript/TypeScript, C++, Java/Kotlin, C#, SQL, HTML/CSS

Frameworks & Libraries: React, Next.js, React Native/Expo, FastAPI, Langchain, Express.js, Tailwind CSS

Developer Tools: Git/GitHub, VS Code, Github Copilot, Figma, Supabase, Snowflake, Plaid, ElevenLabs, Convex

Technologies & Methodologies: RESTful APIs, MVC Architecture, MCP, Agile/Scrum, CI/CD, TDD, Gemini