

ANISH KAMBHAMPATI

Fishers, Indiana

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Education

Purdue University

M.S. in Computer Science

Spring 2026 (Expected)

West Lafayette, Indiana

Purdue University

B.S. in Computer Science, Minor in Mathematics (4.0 GPA)

Spring 2025 (Expected)

West Lafayette, Indiana

Experience

Elevance Health

Systems Analyst Intern

May 2024 – August 2024

Indianapolis, Indiana

- Analyzed and documented 200+ Availity API and Datahub field mappings using PL/SQL scripts and Toad for Oracle.
- Collaborated with stakeholders to gather requirements and identify gaps in existing documentation on Confluence.
- Gained comprehensive knowledge of IT project methodology, claims processing, and FHPS business operations.

District 4 Labs

Software Engineer Intern

December 2023 – May 2024

Remote

- Developed feature-rich, data-driven components for the data breach catalog, using Nuxt, Tailwind, and PrimeVue.
- Integrated AWS Amplify authentication into the frontend using role-based access control and custom middleware.
- Utilized GitHub, Jira, Microsoft Teams, and Visual Studio Code for a smooth remote development experience.

First Internet Bank

Intern

June 2022 – July 2022

Fishers, Indiana

- Shadowed key departments across the bank, including HR, Retail Banking, Risk Management, and Internal Audit.
- Designed Excel spreadsheets to help track inventory, inform pricing strategy, and record audit information.

Texavi

Software Development Intern

June 2021 – July 2021

Remote

- Made web components for Texavi's new LMS using HTML, CSS, Bootstrap, SCSS, JavaScript, jQuery, and PHP.
- Adhered to WCAG-AA accessible web development guidelines, including color contrast and keyboard navigation.

Projects

Shield | *discord.js, Docker, Dokku, Nextra, Postgres, Remix, Stripe, Turborepo, VPS*

August 2023 – Present

- Developed an advanced Discord server administration bot, with RBAC, rate limiting, bot whitelists, and server utilities.
- Built a modern web dashboard and documentation site to complement the bot, along with premium subscriptions.
- Designed a monorepo architecture and deployed using a virtual private server, where it protects **6000+** users.

Boilerexams | *Astro, Docker, Judge0, React, Tailwind CSS, Typescript*

April 2023 – Present

- Working with 20+ people to maintain the Boilerexams website, used by **4,000+** Purdue students for free exam prep.
- Designed a variety of frontend components while integrating responsive design and accessibility best practices.

Crypto Arbitrage Trading (CAT) | *ccxt, Matplotlib, NumPy, pandas, sklearn*

February 2024 – April 2024

- Worked with a quantitative finance team to analyze latency across cryptocurrency exchanges, collect exchange rate data, optimize an arbitrage detection algorithm, and explore the accuracy of ML models in predicting future exchange rates.
- Researched crypto exchanges for arbitrage potential and added multithreading to the arbitrage algorithm.
- Created and benchmarked a **gradient boosting model** to compare against our other ARIMA and LSTM models.

Boilerchain | *AWS Amplify, Bruno, Chakra UI, Docker, FastAPI, React, Redis, TypeScript*

January 2024

- Made a web application where users can mine blocks, earn cryptocurrency, and send it to others with wallet addresses.
- Implemented a proof-of-work algorithm with partial hash inversion to maintain blockchain validity.
- Submitted to the hackathon BoilerMake XI (240+ participants), where it won **Best Fintech Hack** from Bloomberg.

Certifications

GIAC Cloud Security Essentials (GCLD)

October 2023

Microsoft Azure Fundamentals (AZ-900)

October 2023

GIAC Foundational Cybersecurity Technologies (GFACT)

January 2022

Technical Skills

Languages: C, C++, CSS, Dart, Java, Javascript, HTML, LaTeX, PHP, Python, SQL, TypeScript

Frameworks & Libraries: Astro, discord.js, FastAPI, Next.js, Node.js, NumPy, pandas, React, Tailwind CSS, Vue

Developer Tools: Android Studio, Bruno, Confluence, Docker, IntelliJ, Jira, Linux, Visual Studio Code, WSL

Cloud & DevOps Platforms: AWS, Azure, Dokku, GitHub, GCP, Vercel, VPS