SAI VINUTHA NALAGATI

(312) 973-8838 | saivinuthanalagati@gmail.com | GitHub - saivinuthanalagati-art | LinkedIn - vinutha-nalagati | Portfolio -bALUgbfLLHgvh>H

EDUCATION

University Of Illinois Chicago August 2022 - May 2026
Bachelor of Science in Computer Science

SKILLS

Programming Languages: Python | Java | C++ | JavaScript | TypeScript | Dart | SQL | C# | Go | Ruby | HTML | CSS
Software / Frameworks: React | Next.js | Node.js | Express | Flutter | Firebase | Tailwind CSS | Docker | Kafka / Redpanda | WebSockets | MySQL | PostgreSQL | SQLite | Unity | AWS | Git | CMake

WORK EXPERIENCE

Computer Technical Specialist : School of Public Health , UIC) September 2022 - Ongoing

- Diagnosed and resolved 50+ software, hardware, and system-level issues per semester for faculty, staff, and students by tracing configurations, logs, and user workflows.
- Installed, configured, and maintained operating systems and applications across 20+ workstations, helping reduce downtime and ensure reliable computing environments.
- Communicated technical solutions to non-technical users, documenting recurring issues and resolutions to improve support efficiency and reduce repeat tickets.

Full Stack Software Engineer Intern : Easyrewardz Software Services Pvt. Ltd. May 2024 - August 2024

- Developed and optimized backend APIs using Python and Java, improving response times by ~30% for enterprise-scale banking platforms.
- Implemented data processing workflows to ensure accuracy and consistency of user transactions and reward records.
- Identified and fixed 50+ bugs through hands-on testing and debugging, improving system stability and user experience.

Software Developer Intern : Bridgelabz Solutions LLP Dec 2023 - Feb 2024

- Built a full-stack web application using JavaScript, Ruby, and MySQL, implementing reliable CRUD operations and database interactions.
- Debugged backend logic and frontend workflows to improve correctness and reduce user-facing issues.
- Worked within structured development workflows, applying clean code practices and iterative improvements to production-style software.

PROJECTS

pulsestream : **C++ | Concurrency | React | Node |Metrics | WebSockets**

- PulseStream is a high-performance, real-time stream processing system built to ingest, process, and visualize live signals with low latency and production-style observability.
- It's designed like an internal engineering tool: a fast C++ core for processing, a Node.js service layer, and a React dashboard for real-time monitoring.

BetterBite : **JavaScript | HTML | CSS | WebNutrition | UI**

- BetterBite is a web-based nutrition tracking application that helps users understand their nutrient intake beyond calories. Unlike traditional calorie-focused apps, BetterBite emphasizes macro- and micronutrient balance, weekly trends, and personalized food recommendations.

fraudstream : **Kafka/Redpanda | Node | Python | Postgres | Docker | Real-time**

- FraudStream is a real-time transaction streaming and fraud detection system that simulates how modern fintech platforms monitor and flag suspicious activity at scale.
- Transactions are streamed through an event-driven pipeline, evaluated for fraud risk, and visualized live through a web dashboard.

Ledgerly : **Flutter | Firebase | Auth | Firestore | Mobile| UX**

- A production-ready Flutter budgeting app using Firebase Auth and Firestore, featuring real-time expense tracking, intelligent rule-based categorization, secure environment-based API handling, advanced filtering and sorting, and a scalable, clean architecture designed for future analytics and AI extensions.