Khush Gehani

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[Portfolio](#) | [GitHub](#) | [LinkedIn](#)

EDUCATION

College of Central Florida | Associate of Arts in Computer Science (**UF Transfer Track**)   *Jan 2026 – May 2026*

Previous Computer Science Coursework:

Clemson University | Honors Computer Science **(C/C++, JS)**   *Aug 2024 – May 2025*

Greenville Technical College | Computer Science   *May 2025 – Dec 2025*

TECHNICAL SKILLS

Languages: Python, JavaScript, HTML, CSS, C++
Tools & Platforms: Docker, Linux, Git, React (Redux), WebSockets, CMake, Node.js
Concepts: Full-Stack Development, Multi-threading, High-Frequency Trading, Distributed Systems, Data Structures (Red-Black Trees), REST APIs, Reverse Proxying, Data Optimization

PROJECTS

Limitless – HFT Matching Engine | C++, React, Docker, WebSocket | Live
• Engineered a low-latency C++ order book using Red-Black Trees (std::map) for O(log N) execution.
• Deployed a distributed architecture (Koyeb/Netlify) with a custom reverse proxy to bypass CORS.
• Developed a multi-threaded Market Maker algorithm to generate liquidity and stress-test concurrency.
• Built a real-time Level 2 trading dashboard with sub-second data visualization.

CaseBeacon – AI-Powered Analyzer for USCIS Case Statuses | Python, Gemini, React, Node.js, | 15+ daily users
• Developed an intelligent case monitoring engine that autonomously extracts, standardizes, and deciphers complex legal status updates from USCIS.
• Leveraged LLMs (Google Gemini 1.5 Pro) to decipher ambiguous legal jargon, **eliminating the need for users to manually cross-reference government portals and forums.**
• Engineered a secure Node.js backend with strict rate limiting and input validation to handle high-volume queries without degrading performance, serving an active user base with **99.9% uptime.**

Community Health Access Dashboard – HTML, CSS, JavaScript | Live
• Designed a client-side visualization dashboard that maps healthcare access by ZIP code using geospatial distance calculations.
• Engineered a modular data layer with dynamic filtering and responsive UI updates to support interchangeable public datasets.

EXPERIENCE

Customer Service Associate - The Home Depot   *May 2025 - Present*
• Operated in a fast-paced environment requiring accuracy, troubleshooting, and process adherence.
• Developed strong documentation habits and communication skills while handling technical product inquiries.

CyberPatriot Team Leader / Senior Master Sergeant - Civil Air Patrol   *Nov 2018 - May 2025*
• Led and trained teams in system administration, Linux fundamentals, and structured problem solving.
• Supported testing, vulnerability identification, system hardening, Linux administrations during competitions.