Krish Krish

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EDUCATION

McMaster University

Bachelor of Science in Computer Science — GPA: 4.0   *Sept. 2021 - Apr. 2026*

TECHNICAL SKILLS

Languages: Python, TypeScript, JavaScript, SQL, HTML, CSS, C, C++, Rust
Libraries/Frameworks: React.js, Next.js, Node.js, Flask, FastAPI, Pydantic, SQLAlchemy
Tools: Linux, Git, GitHub, Docker, AWS, Google Cloud Platform, PostgreSQL, Jira

EXPERIENCE

Robinhood   May 2025 - Present

Software Engineering Intern
- Implemented **12 critical trading indicators**, identifying and resolving hidden configuration errors affecting production trades to protect platform integrity and customer order accuracy.
- Developed frontend for **AI-powered indicator generator** from scratch, including UI workflows, real-time state management, and integration with backend APIs for post-launch deployment.
- Refactored and stabilized React codebase by correcting over 80 TypeScript type assertions, significantly reducing runtime errors and boosting developer productivity.

Hitachi Rail   January 2025 - April 2025

Software Analyst Intern
- Boosted **QA throughput 10x** by automating complex train test-case generation with LLMs in Python.
- Reduced critical bugs in legacy firmware by deploying a new C test framework, leading to **85% test coverage.**

Bell Canada   May 2024 - December 2024

AI & Data Engineering Intern
- Created an automated translation tool using RAG and LLM, reducing translation costs from **$4 million annually to just $1,000**.
- Saved **10,000+ hours** and **millions** in costs annually by automating customer support training using LLMs.
- Implemented full stack applications using React, Next.JS, Python, FastAPI and PostgreSQL.

DeltaHacks   July 2022 - Present

VP of Technical
- Built a custom, full-stack hackathon platform, empowering **4,500+ users** with seamless event management.
- Engineered robust internal tools such as role-based administration for reviewing **3,000+ applications**, dynamic **QR code system** for id verification, meal tracking and more to support event and sponsorship teams.

Synergy Machines   May 2022 - August 2022

Software Developer Intern LLC
- Engineered **dynamic dashboard builder** in React, empowering users to create custom real-time visualizations.
- Optimized ESG data processing pipeline, handling **millions of data points** via PostgreSQL and Java Spring APIs.

PROJECTS

🔗 **Zercel - Vercel-style Deployment Platform** | *Docker, VM Orchestration, Full Stack CI*
- Launched a self-hosted PaaS that takes a `git push` to a **live URL in less than 60s.**
- Designed a budget-friendly build system using on-demand VM, cutting CI costs by **90%** versus Google Cloud Build.
- Built a wildcard-SSL edge router for **zero-downtime** deployment upgrades and rollbacks.

🔗 **GitFaster - Lightning-Fast GitHub UI** | *Next.js 15, React, Redis*
- Prototyped a high-performance GitHub client powered by rich prefetching and efficient Redis caches.
- Showcased modern Next.js patterns (App Router, RSC) in a polished developer UX; fully open-sourced on GitHub.
- **Winner of the "Fastest App"** category at the **2025 Next.js Global Hackathon** (top 3 of 1 500+ teams).

🔗 **JSON Parser in Rust** | *Rust, JSON, Parsing, AST, Trees*
- Built a hand-written JSON parser in **under 500 lines of code**, parsing JSON source from a string and constructing objects in memory.
- Published a blog post on my website with 50,000+ views, explaining parsing and tree-based data structures.