

Krish Krish

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EXPERIENCE

- **AI & Data Engineering Intern** May 2024 - Present
Bell Canada *Toronto, ON*
 - Automating customer support training using LLMs, saving **10,000+ hours** and millions in training costs each year
 - Building a robust pipeline to extract structured responses from LLMs, significantly improving accuracy and efficiency
 - Implementing full stack applications using **Python, NextJS, and Google Cloud**
- **Teaching Assistant** January 2023 - April 2024
McMaster University *Hamilton, ON*
 - Optimized grading process for **2000+ assignment submissions** by developing auto-grading software using Python
 - Conducted live classroom instruction, delivering clear explanations on various Python programming concepts
- **Junior Software Developer** July 2021 - December 2022
Synergy Machines LLC *Remote*
 - 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

PASSION PROJECTS

- **DeltaHacks Hackathon Platform** | *React, Next.js, tRPC, Tailwind CSS, Prisma, Git* July 2022 – Present
 - Built a custom, full-stack hackathon platform from scratch, empowering **1650+ users** with seamless event management, with the first version in production in just 3 months.
 - Engineered robust internal tools: **role-based administration** for reviewing **2000+ applications**, **dynamic QR code system** for id verification and meal tracking, etc. to used by event and sponsorship teams.
 - Enhanced participant experience with a **mobile-first responsive frontend** and brand new landing pages, featuring interactive live schedule and real-time updates.
- **MV'z Kitchen - Family Food Truck Business** | *Culinary Arts* May 2023 – Present
Serving delicious and fresh Indian cuisine in the heart of Doon South area in Kitchener, working alongside my family every weekend.
- **JSON Parser in Rust** | *Rust, JSON, Parsing, AST, Trees* June 2024
A hand-written JSON parser in Rust in under 500 lines of code, parsing JSON source from a string and constructing objects in memory. Accompanied by a blog post at <https://krishkrish.com/blog/json-parser-in-rust>.
- **Bat - Clash of Clans Player Stats** | *Python, Pillow, Data Visualization* January 2020 – September 2022
Developed and scaled a Discord bot to store and serve player game statistics for over 100,000+ users. Generated thousands of on-demand images using Pillow for performance visualization, and collected millions of data points on player trophies for comprehensive progress tracking.

HACKATHONS

- **Integrity - Hackathon Plagiarism Checker** | *Python, Streamlit, Data Analysis* HawkHacks - May 2024
Built with Python, Streamlit and LLMs, this tool quickly scans all projects submitted to a hackathon for suspicious markers to detect cheating.
- **River - RSVP Platform** | *Next.js, Prisma, NextAuth.js, tRPC* Hack the Hill - March 2023
An Event/RSVP app with a sleek, fast interface optimized page load times to under 100ms. Showcased expertise in modern web technologies and user-centric design.

TECHNICAL SKILLS

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

EDUCATION

- **McMaster University** Hamilton, ON
Bachelor of Science in Computer Science — GPA: 4.0 *Sept. 2021 - Apr. 2026*