

# Krish Krish

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## EDUCATION

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### McMaster University

Bachelor of Science in Computer Science — GPA: 4.0

Hamilton, ON

Sept. 2021 - Apr. 2026

## EXPERIENCE

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### AI & Data Engineering Intern

Bell Canada

May 2024 - Present

Toronto, ON

- Saved **10,000+** hours and **millions** in costs annually by automating customer support training using LLMs
- Designed efficient pipelines to create vector embeddings over **11 million** data entries on Google Cloud Platform
- Implemented full stack applications using **React, NextJS, Python, and Google Cloud**

### Teaching Assistant

McMaster University

January 2023 - April 2024

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

Synergy Machines LLC

July 2021 - December 2022

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

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### 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.

### JSON Parser in Rust | Rust, JSON, Parsing, AST, Trees

June 2024

- 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 detailing the process at on my website, explaining parsing and tree-based data structures.

### Bat - Clash of Clans Player Stats | Python, Pillow, Data Visualization

January 2020 – September 2022

- Developed a scalable Discord bot to store and serve player game statistics for over **100,000+** users.
- Generated **1000+** images/min for performance visualizations, offering players real-time insights.
- Collected and processed **millions of data points** on player trophies, enabling comprehensive tracking and detailed progress analysis over time.

## HACKATHONS

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### 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 for **automated cheating detection**.

### 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 full-stack modern web technologies and user-centric design.

## TECHNICAL SKILLS

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**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, DBEaver