Krish Krish

krish120003@gmail.com | linkedin.com/in/krish-krish | github.com/Krish120003 | krishkrish.com

TECHNICAL SKILLS

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

EXPERIENCE

Software Engineering Intern
May 2024 - Present
Bell Canada
Toronto, ON

- Created an automated translation tool using advanced RAG (Retrieval-Augmented Generation) and LLM techniques, 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.
- Designed efficient pipelines to create vector embeddings over **11 million** data entries on Google Cloud Platform.
- Implemented full stack applications using **React, Next.JS, Python, FastAPI and PostgreSQL.**

VP of Technical
July 2022 - Present
DeltaHacks
Hamilton, ON

- 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.
- Developed a **custom graph-based matchmaking engine**, enabling over 2500 meaningful connections.
- Led a team of 12 developers, collaborating across events, design, and sponsorship teams to create a cohesive and high-impact hackathon experience.

Teaching Assistant
January 2023 - April 2024
McMaster University
Hamilton, ON

- Optimized grading process for **2,000+ assignment submissions** by making an auto-grader using Python.
- Conducted live classroom instruction to 500+ students on various Python programming concepts.

Software Developer Intern
May 2022 - August 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

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.

Integrity - Hackathon Plagiarism Checker | *Python, Streamlit, Data Analysis*
May 2024

- Built a plagiarism and cheating detection tool for hackathon submissions using Python, Streamlit, and LLMs.
- Implemented **automated forensic analysis** to identify suspicious patterns and bad actor projects.

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.

EDUCATION

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