

Krishna Cheemalapati

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EDUCATION

Georgia Institute of Technology

Masters of Computer Science

Atlanta, GA, US

January 2026 - June 2028

University of Toronto, St. George

Honors BSc in Computer Science, Math Minor - 3.7 GPA

Toronto, ON, CA

September 2021 - October 2025

PROFESSIONAL EXPERIENCE

Software Engineer

SingleKey

May 2024 – August 2025

Toronto, ON, CA

- Implemented new features using **Next.js** and **Django**, increasing annual revenue by **\$300k**.
- Designed **Playwright** end-to-end tests and **Python** unit tests to improve release reliability and reduce QA cycles.
- Conducted **A/B tests** to experiment with and evaluate UX improvements.
- Internationalized the application with **next-i18n** to **expand market share** in Quebec.

Software Developer

Sunnybrook Research Institute

May 2023 - September 2023

Toronto, ON, CA

- Developed and designed annotation interface for collaborative brain signal annotation platform **CrowdEEG**
- Built the backend signal processing pipeline using the **MeteorJS** framework.
- Created and trained lightweight **machine learning** models to detect non-wear of medical devices in real time.

Web Developer

Seabury Active Life Community

June 2019 - July 2019

Bloomfield, CT, US

- Created a testing platform to accelerate CI/CD processes using **PHP**, **HTML**, **CSS**, and **SQL**.
- Designed a password retrieval mechanism for the employee intranet.
- Researched options to enhance the security of corporate databases.

PROJECTS

AI Sign | *React, Node.js, Tensorflow.js, ml5.js* | Gryphhacks 2023 - 3rd place overall

May 2023

- Built an American Sign Language translation tool with **React**, **Python**, and **TensorFlow**.
- Trained a custom convolutional neural network to recognize over 50 signs in real-time with **80% accuracy**.
- Placed **3rd overall** out of **50+** teams.

Heart AtTech | *React, Node.js, Express.js, Google Firebase* | HackWestern 9 - Best Health Hack

November 2022

- Designed a **React** application that empowers citizens skilled in AED/CPR to save lives.
- Used the **Google Maps API** to send the location of callers to nearby citizens.
- Projected **80% reduction** in first-responder wait times in Canada and **2x increase** in 30-day survival likelihood after hospitalization.

Intentful | *React, Figma, MongoDB, Jest* | Technology Leadership Initiative

September 2022 - December 2022

- Created a full-stack transcript analysis platform with **React** to help retail companies enhance their chatbots.
- Designed wireframes with **Figma** and implemented a dashboard with a file management system.
- Worked in an **agile** team in weekly sprints with regular meetings to interface with Voiceflow's ML Lead.

COMMUNITY LEADERSHIP AND INVOLVEMENT

Front-End Developer

University of Toronto Freelancer's Organization

January 2022 - Present

Toronto, ON, CA

- Designed and developed webpages for new clubs using **Figma** wireframes, **React.js**, and **Node.js**
- Collaborated with an agile team in weekly sprints to complete tasks using **Git** and **Github**

TECHNICAL SKILLS

Languages: JavaScript, Python, SQL, HTML/CSS, R

Frameworks and Libraries: React, Node.js, pandas, NumPy, Matplotlib, PostgreSQL

Developer Tools: Git, Figma, VS Code, Cursor, Docker, PyCharm, IntelliJ, Eclipse