

Krishna R. Cheemalapati

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Education

UNIVERSITY OF TORONTO

HONORS BS IN COMPUTER SCIENCE

2025 | Toronto, ON, CA

Arts & Science Co-op Program

GPA: 3.83 / 4.0

Coursework

Introduction to Databases

Computer Organization

Software Tools + Systems Programming

Software Design

Statistical Reasoning

Enriched Theory of Computation

Data Structures and Analysis

Probability with Computer Applications

Skills

PROGRAMMING

Over 5000 lines:

Java • Python • Javascript • \LaTeX

Over 1000 lines:

HTML • CSS • R

Familiar:

SQL • PHP • Android

TOOLS

Git • Github • VS Code • Figma

Certifications

Microsoft Certified: Azure

AI Fundamentals (AI-900)

Building Modern Python Applications
on AWS (Amazon, via Coursera)

Real-World Ethical Hacking:
Hands-On Cybersecurity (via Udemy)

Introduction to Machine Learning
(Duke University, via Coursera)

Inclusive Leadership (University of
Colorado at Boulder, via Coursera)

Awards and Distinctions

2022 Dean's List Scholar

2022 Technology Leadership
Initiative Acceptance

★ Awarded to the **top 30 computer
science students** at UofT

Professional Experience

AWARDS INFORMATION OFFICER | UNIVERSITY OF TORONTO

Sept 2022 - Present | Toronto, ON, Canada

- Supported the transition of **Microsoft Access** awards data to a new interface.
- Worked with the Office of the Vice President of Research and Innovation staff to create a process for reconciling information from different sources.
- Maintained and updated a website related to the achievements of the University of Toronto's researchers.

JAVA INSTRUCTOR + CURRICULUM DEVELOPER | AiGoLEARNING

June 2022 - Present | NJ, USA (Remote)

- Introduced four classes of students to the basics of **Java** and programming.
- Designed hundreds of customized lecture slides, exercises, homework, and assorted other course materials to engage students and build off prior knowledge and interests while applying new learning.

DATA SCIENCE INTERN | YALE CENTER FOR ANALYTICAL SCIENCES

July 2020 - Aug 2020 | New Haven, CT, USA

- Facilitated the creation and implementation of a summer program introducing students to biostatistics, data science, and **R**.
- Served as a team leader/peer mentor and directed 6 students to help present the results of a recent clinical study.
- Coordinated with another intern to present survey data to Yale faculty assessing program effectiveness relative to its pre-pandemic in-person version.

WEB DEVELOPMENT INTERN | SEABURY ACTIVE LIFE COMMUNITY

June 2019 - July 2019 | Bloomfield, CT, USA

- Maintained and developed the IT infrastructure at Seabury while using **PHP**, **HTML**, **CSS**, and **SQL**.
- Designed a password-retrieval mechanism for the employee intranet.
- Researched options to enhance the security of Seabury's databases to ensure HIPAA compliance.

Community Leadership and Involvement

COMPUTER VISION DEVELOPER | UoFT AUTONOMOUS ROVER TEAM

Sep 2022 - Present | Toronto, ON, Canada

- Researched computer vision architectures such as U-Net, YoloV4, and classical convolutional neural networks.
- Implemented efficient machine learning algorithms to further enhance the robot's operation and ensure optimal performance at competition.

FRONT-END DEVELOPER | UoFT FREELANCERS' ORGANIZATION

Jan 2022 - Present | Toronto, ON, Canada

- Designed and developed webpages for new clubs by making Figma wireframes and then using **React.js** and **Node.js**, **HTML**, and **CSS** to implement it.
- Collaborated with an agile team in weekly sprints to accomplish tasks and developed proficiency in version control using **Git**, **GitHub**, and **Plastic SCM**.

Projects

COVID'S IMPACT ON CLASSICAL ECONOMIC INDICATORS

Oct 2021 - Dec 2021 | Foundations of Computer Science I

Developed a python program with GUI that retrieves pre-pandemic and current stock data from the Yahoo Finance API, processes the data using **NumPy** and **Pandas**, and then visualizes this information through **Matplotlib**.