

# Sriram Karthik Akella

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[Portfolio Site](#) || [Github](#) || [Linkedin](#)

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## OBJECTIVE STATEMENT

I am entering my third year of my Bachelor's Degree in September 2022. My most recent work experience is working as an Undergraduate Teaching Assistant at the University of Alberta. The projects I have worked on include a realm of Computer Science Technologies, from App Development, Web Development, and Databases to Machine Learning & Artificial Intelligence. Now, I am looking forward to gaining practical experience wherein I can apply the Computer Science knowledge I have gained to a real-world application. I am currently enrolled in the **Science Internship Program (co-op)** at my university, which allows me to work full-time off-campus for 4, 8, 12 or 16 months.

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## TECHNICAL SKILLS

Programming Languages: Python, C, Java, HTML, CSS  
SDKs: Flutter  
Databases: MySQL, MongoDB, NoSQL  
Other Technologies: Git, APIs, Firebase, Android Studio, Xcode  
Areas of Interest: DevOps, Technical Writing

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## EDUCATION

### University of Alberta

Bachelor of Science in Computing Science - Specialization

Edmonton, AB, Canada  
Sept. 2020 to June 2024 (expected)

- Member, Google DSC
- Member, Undergraduate AI Society

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## WORK EXPERIENCE

### University of Alberta

Teaching Assistant

Edmonton, AB, Canada  
January 2022 - Present

- CMPUT 175: Introduction to Foundations of Computing II
- Conducted lab sessions every week and assisted students in one on one and small group setting
- Assisted teaching staff in designing the course and preparing the lesson plans.

### Undergraduate Association of Computing Science

Junior Representative

Edmonton, AB, Canada  
May 2022 - Present

- Representative for First and Second Year students
- Prepare and organize the Computing Science orientation
- Management and maintenance of the UACS office

### University of Alberta Students' Union

Academic Tutor

Edmonton, AB, Canada  
November 2021 - Present

- Tutoring students in CMPUT, MATH & STAT classes.

### Kuwait Oil Company

Information Technology Intern

Al Ahmadi, Kuwait  
July 2019 to August 2019

- Received practical knowledge on Database and Server Hardware, Cloud Computing, Operating Systems & Computer Networks
- Assisted at the Service Desk of the IT Department of to help employees troubleshoot their issues

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## SELECTED PROJECTS

### COVID Tracker

February 2021

- Developed a web based application to give a count of daily COVID cases in various countries.
- Used Python: Flask, urllib
- API used for this project was: <https://api.covid19api.com/summary>

View project on Github [here](#).

## **Qify**

July 2020

- Developed a mobile application (using Flutter & Firebase) to ease the queuing system at hospitals
- Includes appointment (scheduling, rescheduling, deleting) and video call features.
- This application was developed as part of Kuwait Foundation of Advanced Sciences (KFAS)'s Virtual Hackathon.
- As Team MacBytes, we stood in the top 5 teams (out of 40+ who were selected to participate) to the final round.

View project on Github [here](#).

## **Smart Weather App**

April 2020

- Displays the weather of a city (inputted by the user).
- Uses an open source API from openweathermap.org
- This application was made using Java.

View project on Github [here](#)

## **Bank Management System**

July 2019

- A python menu driven program that runs the tasks of a bank (Creating account, depositing and withdrawing money, closing account, etc)
- Initially made to store data on MySQL Database

View project on Github [here](#)

## **Smart Eye**

February 2018

- Used Machine Learning and Artificial Intelligence to develop an assistive device for the visually impaired people, called 'The Smart Eye' which can reduce their dependence on others in terms of mobility
- Detects and recognizes objects in the field of view of the user. Uses CloudSight API for image recognition
- Received accolades on national level for this project's prototype and invited to participate at World Makerfaire, Bay Area. More info. available [here](#)