

SRIRAM KARTHIK AKELLA

Computer Science Student
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Portfolio | **Linkedin** | **GitHub**

EDUCATION

University of Alberta
Bachelor of Science - Computer Science

Edmonton, AB
September 2020 - April 2025

EXPERIENCE

Ericsson | Software Engineer Intern Ottawa, ON | September 2023 - April 2024

As a SWE Intern at Ericsson, I am involved in two significant projects:

- Data Manipulation with Python and PostgreSQL: Developed and optimized Python scripts for data extraction and transformation from 50+ radio towers; improved PostgreSQL database performance by 30%; designed and implemented custom data visualization tools for stakeholder analysis.
- Web Dev with Flask/FastAPI and EDS: Engineered and maintained 10+ web applications using Flask/FastAPI; integrated Ericsson Design System (EDS) to enhance UI/UX, achieving 95% consistency across platforms.

City of Edmonton | Software Engineer Intern Edmonton, AB | January 2023 - August 2023

As a SWE Intern in the Network Operations team, I was responsible for the following:

- Network Operations Automation: Developed automation scripts that reduced manual networking tasks by 40%, significantly improving operational efficiency.
- Network Data Manipulation: Engineered tools to manipulate and process network data files, enhancing data accuracy and accessibility for the team.

University of Alberta | Teaching Assistant Edmonton, AB | January 2021 - July 2021

Teaching Assistant for 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.

Kuwait Oil Company | Information Technology Intern Al Ahmadi, Kuwait | July 2019 - August 2019

- I have worked as an IT Intern at Kuwait Oil Company receiving practical knowledge on Database and Server Hardware, Cloud Computing, ITIL and ISO Standards, Operating Systems & Computer Networks.
- For a term of one week, I had also assisted at the Service Desk of the IT Department of Diyar United Company to help clients by troubleshooting their IT-related issues.

PROJECTS / OPEN-SOURCE

Qify - "Virtual Clinic" | Link *Flutter, Firebase*

We've created a 'virtual clinic' mobile application for Android and iOS (using Flutter and Firebase) for our participation in the KFAS & CODED Virtual Hackathon - Emergency Resilience.

Smart Eye | Link *Python, Raspberry Pi, CloudSight API*

We've created an assistive device for the visually impaired people called 'The Smart Eye' which can reduce their dependence on others in terms of mobility.

The device detects and recognizes objects in the field of view of the user.

Bank Management System | Link *Python, SQL*

A python menu-driven program that runs the tasks of a bank (Creating account, depositing and withdrawing money, closing account, etc)

CERTIFICATIONS

- Problem Solving (Intermediate) Certificate - **HackerRank**
- The Complete Android Developer Course - **CodeStars**
- Flutter Development Bootcamp - **Udemy**