

Suchith Sridhar Khajjayam

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EXPERIENCE

Associate Software Engineer (Co-op)

September 2021 – April 2022

Introhive

Fredericton, CA

- Developed solutions for ongoing project stories, addressing key client needs.
- Resolved multiple critical bugs, improving application stability.
- Conducted rigorous testing to ensure the quality and reliability of the software.

Freelance Developer

March 2022 – October 2022

Isla Technologies & Fredericton Legal Advice Clinic (FLAC)

California, USA & Fredericton, CA

- Designed and implemented software solutions tailored to client needs.
- Customized website UI to enhance user experience and investment appeal.
- Developed a web-based system for appointment booking and engineered admin pages for easy management.
- Performed system administration duties, ensuring smooth operation of deployed solutions.

Teaching Assistant

September 2023 – Present

Dalhousie University

Halifax, CA

- Teaching Assistant for CSCI-3151 Foundations of Machine Learning and CSCI-2122 Systems Programming.
- Delivered tutorials for CSCI-3151, guiding a class of 60+ students on key machine learning concepts.
- Managed lab sessions for CSCI-2122, providing hands-on support for systems programming tasks.

Research Assistant

May 2024 – August 2024

Faculty of Computer Science, Dalhousie University

Halifax, CA

- Developing an Intrusion Detection System (IDS) dataset and test bed.
- Gained in-depth knowledge of networking principles and network architecture essential for IDS implementation.
- Specialized in deploying scalable test beds using AWS Virtual Private Cloud (VPC) for cybersecurity research.
- Studied different machine learning techniques for defence and attack of network systems.

EDUCATION

Dalhousie University

Halifax, CA

Bachelor of Computer Science with Honours

Expected April 2025

- High **GPA of 4.27/4.3**.
- A+ in all Computer Science classes.
- Completed advanced courses: Algorithms I & II, Advanced Data Structures, Compact Data Structures, Machine Learning, Deep Reinforcement Learning (Master's level course).

COMMUNITY & LEADERSHIP

President

September 2023 – April 2024

Linux Society

Halifax, CA

- Founded the Linux Society at Dalhousie University.
- Provided leadership and direction for society activities.
- Acted as primary spokesperson representing the society outside the university.

PROJECTS

Suchicodes Website

- Personal Portfolio to present myself.
- Create class notes used by multiple students.
- Manage data synchronization between multiple servers to create a personal cloud compute and storage service.

Rebuilding Git

- Build a VCS to keep track of file changes.
- Implement features inspired by the program git.

SKILLS

Key Topics:

- Machine Learning
- Network Security
- Web Development
- Systems programming

Soft Skills:

- Organization
- Leadership
- Fast Learner
- Adaptability

Languages: C, Python, Go, Java, JavaScript, Ruby

Frameworks: Flask, React.js, Node.js, Echo

Developer Tools: Git, Bash, GitHub, Linux

Libraries: Pandas, Numpy, Tensorflow, Scikitlearn