

Suchith Sridhar Khajjayam

suchicodes.com

Halifax, NS

dev@suchicodes.com

github.com/suchithsridhar

SUMMARY

Detail-oriented Software Engineer with enterprise development experience, a 4.27 GPA, and strong foundations in cloud systems, full-stack engineering, and network security. Proven track record in Agile teams, client-facing delivery, and technical research. Eligible to work in Canada without sponsorship. Seeking to grow as a technical consultant, leveraging robust development skills and adaptability.

SKILLS

- **Languages:** Python, Java, Go, C/C++, JavaScript, Ruby
- **Frameworks:** React.js, Flask, Node.js, Fiber (Go), Echo
- **Cloud & DevOps:** AWS (VPC, EC2), Terraform, Git, Bash, Linux
- **Tools:** Jira, GitHub, Docker, Microsoft Office Suite
- **Concepts:** Agile Development, REST APIs, System Design, ML, Network Security

EXPERIENCE

- **Introhive** Fredericton, CA
Associate Software Engineer (Co-op) Sep 2021 – Apr 2022
 - Developed and debugged production features across backend and frontend stacks for enterprise CRM software.
 - Operated in Agile sprints; collaborated with cross-functional teams to resolve bugs and deliver client-facing enhancements.
 - Created critical internal documentation detailing end-to-end system architecture and workflows, which significantly improved team knowledge sharing and onboarding.
- **Dalhousie University** Halifax, CA
Research Assistant – Network Security & ML May 2024 – Present
 - Built a modular intrusion detection framework using AWS and Terraform for network simulation and data generation.
 - Applied ML techniques for automated classification of attack traffic in VPC-based environments.
 - Worked toward publishing academic findings from real-world testing frameworks.
- **Freelance Developer** Remote
Software Consultant Mar 2022 – Oct 2022
 - Designed full-stack appointment systems and admin dashboards for legal and nonprofit clients.
 - Handled deployment, server configuration, and maintenance. Delivered tailored solutions to client requirements.

PROJECTS

- **Intrusion Detection Simulation Platform (Python, AWS, Terraform):** Created a modular cloud-based environment for testing IDS frameworks using real-time VPC network simulations and ML-based classifiers.
- **Suchicodes.com (Go, Python, WebSockets):** Self-hosted multi-server personal site with live content sync and server orchestration. Migrated backend from Python to Go to improve performance.
- **Kebab: Genomic Indexing System (C, C++):** Co-developed a novel compact data structure combining Bloom filters, BWT, bit vectors, and k-mers. Authored and submitted research paper proposing a memory-efficient solution for DNA indexing.

EDUCATION

- **Dalhousie University** Halifax, CA
Bachelor of Computer Science with Honours; GPA: 4.27 / 4.3 Apr 2025

LEADERSHIP

- **Dalhousie Linux Society** Halifax, CA
Founder & President Sep 2023 – Apr 2024
 - Founded a campus Linux club; grew to 60+ members. Hosted workshops on open-source development and systems administration.