

Jaiman Sharma

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EDUCATION

Queen's University

Sep 2023 – April 2027

Bachelor of Computing(Hons.), Focus in Cybersecurity and AI

Deans List 2023 – present

- Data Structures and Algorithms, Discrete Structures, Linear Algebra I and II, Computer Architecture, Database Management Systems, Statistics, Operating Systems, Calculus I and II, Software Architecture

EXPERIENCE

Sectra AB

Jun 2025 – August 2025

Cloud Security Intern

Mississauga, ON

- Assessed software compatibility with Kubernetes, Falco, and Kyverno to identify integration and deployment risks
- Researched and evaluated security and deployment tools for potential in-house adoption, analyzing feasibility, security impact, and system alignment
- Delivered technical presentations to Technology and Cloud Security teams, strengthening cross-team knowledge sharing and backend change preparedness

QMIND x Technical Management Group Ltd

Sept 2025 – Present

Design Team Member

Kingston, ON

- Contributed to a team of 5 developers building an automation system to standardize contractor CVs for a mining/energy consulting firm, reducing manual formatting time from 40 minutes to 2 minutes per CV
- Implemented components of a processing pipeline integrating PDF and LinkedIn data extraction with GPT-4 and LangChain to produce structured JSON outputs
- Collaborated using GitHub workflows, code reviews, and issue tracking to deliver a client-ready automation solution aligned with stakeholder requirements

Queens Cryptography and Cyber Security Club (Q3C)

Sept 2024 – Present

Executive and CTF Specialist

Kingston, ON

- Competed in 4 national and international Capture-the-Flag Competitions, primarily focusing on challenges revolving around cryptography, web exploitation, and binary exploitation
- Achieved a top 50 finish out of 1,000 teams by developing and deploying custom exploit scripts
- Collaborated with an 8-member team to analyze vulnerabilities, exchange tactics, and mentor new members on reverse engineering tools

PROJECTS

Don AI Assistant | *CSS, HTML, JavaScript, GitHub Actions, OpenAI API*

September 2025

- Built a context-aware AI assistant web extension that parsed on-screen DOM elements to auto-fill forms and give real-time natural-language answers, cutting up to 15 minutes off total time to fill out a form.
- Integrated OpenAI's GPT API with custom prompts to interpret page content and generate context-specific responses across multiple ancillary forms, improving turnaround and data accuracy
- Designed a responsive, secure overlay UI that injected seamlessly into existing pages with API-key management and modular code for easy feature expansion and low maintenance.

Library Management System | *Python, Pytest, SQLite, GitHub Actions, Flask, Playwright, Docker*

October 2025

- Developed a REST API with full business logic for catalog management, patron operations, and late fee processing
- Wrote complete unit and end-to-end test suites from scratch using Pytest with mocking/stubbing for payment processing and Playwright for browser automation
- Achieved 80%+ code coverage by implementing an automated CI/CD pipeline with GitHub Actions, identifying and resolving 6+ uncovered code paths
- Containerized the Flask application with Docker and published to Docker Hub, enabling reproducible one-command deployment and consistent cross-platform execution

TECHNICAL SKILLS

Languages: Python, Java, C, CSS, HTML, JavaScript, SQL, Bash, Haskell

Technologies: MacOS, Windows, Linux, SQLite, Flask

Developer Tools: Git, Docker, Wrike, CI/CD, Ghidra, Kubernetes, Falco, Kyverno, Burp suite, Wireshark, VMware, VirtualBox, WSL, Azure