

RISHIKESH RAMESH MENON

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EDUCATION

Queen's University – Queen's School of Computing

Bachelor of Computing (Honours)

Kingston, ON

Class of 2025

- Computer science specialization with a focus in artificial intelligence
- *Awards:* Queen's University Excellence Scholarship

PROFESSIONAL EXPERIENCE

Queen's University – School of Computing

Undergraduate Teaching Assistant (Contract Part-Time)

Kingston, ON

Jan 2023-May 2025

- Hosted weekly labs and live demos in Python, Java, C, Prolog guiding 100+ students through core programming concepts and debugging strategies
- Formulated Python scripts to automate rubric-based grading plagiarism detection and code review, reducing manual evaluation time by 40% and ensuring consistency across 500+ submissions

Winteriors Decor LLC

Software Developer Intern

Dubai, U.A.E

Summer 2024

- Engineered cloud-integrated dashboards using JavaScript and SQL-driven KPIs for real-time ERP workflow insights across 15+ projects
- Partnered with cross-functional teams to scope requirements and build interactive UI components and SQL-driven KPIs, reducing tracking overhead by 20% through live data aggregation
- Refactored ERP modules by profiling SQL queries and introducing Python-based automation, cutting average load times by 35% and improving user navigation across workflows

FireCompass

Analyst Intern

Boston, U.S.A

Summer 2023

- Designed and deployed multi-threaded backend Python automation for distributed network scanning tools, cutting scan time by 60% and improving system efficiency
- Leveraged Image AI to build a model that classifies network scan results by threat type, replacing manual review and enabling real-time prioritization of vulnerabilities
- Developed an API-integrated data filtration microservice to classify, de-duplicate, and prioritize scan results, enhancing accuracy and real-time system response

EXTRACURRICULAR EXPERIENCE

Roof

Development Lead

Kingston, ON

2023-Present

- Created a student-focused rental platform consolidating listings, simplifying the search process, and spearheaded the project as founder, managing both development and strategic planning to ensure long-term success and sustainability
- Led the creation of an award-winning platform, recognized at Queen's Product Sprint by QTMA for its innovative, user-friendly design and practical application in addressing student rental challenges
- Executed a targeted digital marketing strategy, increasing platform visibility among students in Kingston and driving substantial growth in user adoption and engagement

Adidas

Sales Associate (Part-Time)

Kingston, ON

Dec 2024 – May 2025

- Managed inventory and restocking, ensuring optimal product display and availability
- Processed transactions efficiently using POS systems while promoting loyalty programs to drive repeat sales
- Delivered exceptional customer service by assisting customers with product selection, enhancing in-store experience

ADDITIONAL INFORMATION

- **Personal Project:** Engineered a high-availability home lab on a Proxmox cluster with containerized workflows, local data storage, network-wide automation, and secure remote access via VPN, enabling full self-hosting, centralized control, and complete independence from third-party cloud platforms
- **Technical Skills:** Python, Java, JavaScript, C, C++, R, HTML, CSS, SQL, Node Js, React, Git, Prolog, Docker, n8n, Go