

# KASHAN RAUF

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## EDUCATION

### **Bachelor of Computing (Honours)**

*4th year of study at Queen's University in computer science. (Currently on internship.)*

Sep. 2022 – Present

Kingston, ON, Canada

## EXPERIENCE

### **RAN Troubleshooting Tech Support Co-Op**

**Ericsson** | Networking, RAN, Software Troubleshooting, AI/ML

Sep. 2025 – Present

Ottawa, ON, Canada

- Applied SW troubleshooting methodologies across RAN infrastructure.
- Collaborated with a team to analyze and investigate customer issues.
- Performing fault reproduction and handling configurations in applying RAN SW architecture and 3GPP.
- Operation and maintenance of SW/HW configurations.
- Implementation of AI and Machine Learning solutions to enhance uptime and effectiveness.

## EXTRACURRICULARS

### **Software & Electrical Team Member**

*Queen's VEX U Robotics Team*

Oct. 2023 – Present

Kingston, ON, Canada

- Integrating complex hardware subsystems to enable autonomous/controlled operation.
- Designing and testing custom electronics and embedded systems, enabling support for innovative solutions using computer vision and Lidar-based GNC used by sophisticated autonomous routines.
- Used Rust to develop and document modules for the team's robot programming library, which enabled wireless communication between robots using radio components.
- Collaborating with other board members to direct/structure the team while tackling non-technical issues.

### **Administrative Coordinator- Internal Affairs**

*Queen's Computing Students' Association (COMPSA)*

Oct. 2024 – Apr. 2025

Kingston, ON, Canada

- Tasked with overseeing the internal affairs of the organization and ensure proceedings run smoothly during council meetings and general assembly where decisions impacting over 1000 students are made.
- Ensure that constitution and policies align with organization/school values and incorporating them into activities and initiatives.
- Planning COMPSA council elections for executives and directors by gathering nominations, overseeing campaigning periods, and managing polls. Successfully coordinated with other organizations to execute, while working with marketing team to achieve a voter turnout of over 450 eligible students.

## PROJECTS

### **Twitter Clone** | Java, Spring Boot, Spring Security, MySQL, ReactJS

- A recreation of X (formerly Twitter) made from scratch using Spring, React, and MySQL.
- Implements the Spring Security architecture to handle requests including registration/stateless authentication, interaction with posts and users through secured REST APIs.
- Features a React-powered frontend that enables various recreated and original user experiences such as non-standard emoticons.

### **Flight Booking System** | Python, Flask, MongoDB, HTML/CSS, PyTest, Selenium

- A full stack project that takes the form of a flight booking system with a web-based UI.
- Features a RESTful API for making requests to the Flask backend and a MongoDB database.

## TECHNICAL SKILLS

**Languages:** Java, Python, C/C++, Rust, JavaScript, TypeScript, Haskell, SQL, Bash & Shell, HTML/CSS.

**Technologies:** Spring Boot, JUnit, .NET Core, Docker, Next.js, Node.js, Express, React, Tensorflow, NumPy, PyTest, Pandas, PyTorch, Matplotlib, HTTP, SSL, DOM.

**Platforms:** Git/GitHub, Linux, UNIX, MongoDB, Kubernetes, Visual Studio, Eclipse IDE, Unity, PostgreSQL.

**Other:** Test Automation, Maven/Gradle, AI/ML, Software Development, DSA, Embedded Systems, Agile Development, Unit Testing, Quality Assurance, Databases, Automated Systems, Deep Learning, MS Office Suite.