TOUFIQ CHARANIA

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SUMMARY

Final-year Software Development and Network Engineering student with three co-op placements, including experience at both startups and a large enterprise. Skilled in full-stack development with Java, Python, C#, React, Spring Boot, and SQL. Strong background in building and optimizing applications, collaborating in agile teams, and delivering impactful solutions. Versatile developer with proven problem-solving ability, hands-on project leadership, and a passion for learning new technologies. Available to start January 2026.

EDUCATION

Sheridan College — Oakville, ON
Advanced Diploma, Software Development and Network Engineering - *GPA: 3.60 / 4.0* — Jan 2023 - Dec 2025

Brock University — St. Catharines, ON
Bachelor of Arts, Political Science — Sep 2012 - Apr 2017

TECHNICAL SKILLS

Programming Languages:	Java/J2EE, Python, C, C#, .NET, Swift, Kotlin JavaScript, TypeScript, HTML, CSS
Frameworks & Libraries:	Spring Boot, REST API, JUnit, React, Angular, Node.js, Material-UI, PyTorch, OpenCV, Tensorflow, YOLO, WebRTC, Tailwind CSS, Jest
Database Management:	SQL (MySQL, PL/SQL), MongoDB
Software and Tools:	Git, Bitbucket, Jira, IntelliJ, CLion, Eclipse, Visual Studio, VS Code, Azure Data Studio, X-Code, Android Studio, Docker, Jenkins, SonarQube, Figma, Cursor
Cloud Computing:	Amazon Web Services
LLMs:	OpenAI, Gemini, Perplexity, Windsurf, Anthropic

EXPERIENCE

Cloud2 Software — Toronto, ON
Full Stack Developer (Co-Op) — May 2025 - Aug 2025

- **Tech Stack**: Java, React, Tailwind CSS, SonarQube, Jest
- Increased backend **unit test** coverage from **0% to 78%** by writing tests in **Java** and integrating with **SonarQube**, improving reliability of a critical internal service
- Developed the Import Files Dialog feature in **React** and **Tailwind CSS**, enabling users to upload files to servers; collaborated with two other developers on a multi-branch workflow to deliver the complete functionality
- Integrated frontend with **Apollo Client (GraphQL)**, migrating state management from React State to a centralized approach for improved scalability and maintainability
- Built frontend unit tests using **Jest** to validate the Import Files Dialog, ensuring feature stability and adherence to requirements
- Implemented localization and closely followed **Figma design specifications** to deliver a consistent, accessible, and user-friendly UI
- Strengthened communication and collaboration skills by coordinating multi-branch feature development, ensuring smooth integration without breaking dependent code

Evertz Microsystems — Burlington, ON
Software Design Engineer (Co-Op) - Design Verification Group — Sep 2024 - Dec 2024

- **Tech Stack**: Python, Git, Bitbucket, Flask
- Independently developed and deployed a **Python**-based server health monitoring script using internal **APIs** (**AHTTP** and **ASNMP**) to ensure the reliability of live stream servers
- Reduced manual verification time by streamlining the process of checking server parameters, such as signal presence and output, across **32 live stream server cards**, saving hours of manual review
- Created a **Python** script that automated the export of development logs from an internal portal, transforming data into an HR-compliant Excel template, minimizing manual data entry
- Conducted **hardware diagnostics** and repairs, utilizing serial connections (**SSH**) for firmware updates and physical card repairs, including fan replacements
- Conducted BIOS/driver updates, server maintenance, and cable management to ensure smooth server operations

Skill Squirrel Mississauga, ON
Junior Software Developer (Co-Op) - App Development Team Jan 2023 - Apr 2023

- **Tech Stack**: React, JavaScript, HTML, CSS, Git, Jira
- Resolved **15+ frontend** tickets assigned on **Jira**, primarily focusing on layout and styling issues using **React**, improving UI consistency and **reducing backlog by 20%**
- Fixed backend search functionality, ensuring accurate and reliable results for **30+ active users**
- Collaborated on code reviews and testing, reducing post-release bugs by ensuring **100% of PRs passed testing guidelines**

PROJECTS

Brawlr |
Capstone Project - Sheridan College

- **Tech Stack**: Python, OpenCV, Tensorflow, PyTorch, WebRTC, React, Machine Learning, Git
- Developing an **AI-powered** boxing judge application to analyze significant strikes in real-time using **computer vision and machine learning**
- Implementing **pose estimation** and **motion tracking** with **Python**, **OpenCV**, **Tensorflow**, **PyTorch**, and **WebRTC** to identify punch types and assess their impact
- Designing a **real-time scoring algorithm** to evaluate strikes based on intensity, accuracy, and technique
- Building a **React-based frontend** to provide a user-friendly interface for visualizing strike data and match statistics
- Collaborating with a team to optimize performance and improve the model through iterative testing

Split-It

- **Tech Stack**: Java, JavaFX, File I/O, Password Hashing, Scene Builder, Git
- Developed a Java-based expense tracking application to efficiently manage and track expenses for multiple users
- Enabled registration/login, expense list creation, user assignment, and individual total calculations
- Built the GUI with JavaFX and Scene Builder across multiple screens
- Secured user login credentials with hashing methods. Ensured a maintainable codebase with the Model-View-Controller architectural pattern