

ANISH AHUJA

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Education

Toronto Metropolitan University

Bachelor of Science in Computer Science

– Minor in Mathematics and Cybersecurity

Sept 2021 – June 2026

Deans List: 2021 – 2022

Experience

Ontario Power Generation (OPG)

Full-Stack Software Developer (Plant Operations)

Darlington, ON

Sept 2024 – Aug 2025

- Led the **Fixing the Plant initiative** by developing **automation tools (Excel macros / Python scripts)** and **Power BI dashboards** integrated with **MS SQL Queries** in **AS9, P6 and Operator Shift Logs**, to improve permitry visibility and enabling an estimated **\$2M+ in cost avoidance** by reducing manual tracking, and rework.
- Accelerated execution of critical plant work by working with teams to prioritize ops critical permit applications and monitor progress in real time, contributing to a **40% reduction in permit backlog** and helping protect an estimated **\$5–10M in potential schedule delay and downtime exposure** for high-value generation assets.
- Designed and implemented an **Automated Email Notification System** using the **SendGrid API** to alert senior leaders of permits nearing dormancy, preventing unnecessary re-verification of inactive permits and delivering an estimated **\$500K+ per year in administrative and compliance cost savings**.
- Facilitated development of the “**Staying On Top**” **AI tool**, leveraging **Observation & Coaching (O&C) data** to generate actionable metrics and executive-ready summary slides, **reducing manual analysis and reporting effort by 70%** and yielding an estimated **\$1M+ in annual training and oversight cost savings**.
- Developed and deployed **web applications** for future operations tools within the **Operations and Maintenance Innovation Hub** using **Angular (TypeScript)** and **VB.NET**, accelerating digital delivery and supporting **multi-million-dollar productivity gains** across long-term plant modernization initiatives.

Royal Canadian Mounted Police (RCMP)

Full-Stack Software Developer

Ottawa, ON

May 2023 – Aug 2023 & Jan 2024 – Aug 2024

- Proactively managed development and operational support for systems including **CFSS, SAFE, MCPUR Web, and PSP Web**, resolving over **30% of critical backlog GitLab tickets** during biannual milestone releases.
- Debugged and optimized **Java-based web applications** using **WebLogic 12.2.1.4, Apache Struts2, and Spring JPA**, collaborating with senior developers to triage incidents, reduce technical debt, and ship clean releases.
- Configured and assembled **Jenkins pipelines** to support automated **JUnit testing** for Java-based web applications, contributing to **CI/CD workflows** and improving build reliability for nationally deployed systems and applications.
- Engineered **dynamic HTML templating solutions** for the **IPE infrastructure** to optimize web performance, support **bilingual localization**, and streamline content across multiple RCMP hosted public-facing applications.
- Spearheaded the redevelopment of the **EMRS system**, including implementing robust Java components using **Spring JPA, PrimeFaces, WET, Web Services, JDBC connectors, Hibernate**, and related frameworks.

Projects

Smart Resume Analyzer | *JavaScript, Angular, Apache, Maven, Google Gemini AI*

- Developed a full-stack web application that analyzes resumes and generates automated/actionable feedback.
- Implemented parsing and scoring logic to evaluate resume structure, keyword alignment, and formatting.

YelpCamp | *Node.js, Express, MongoDB, Mongoose, Cloudinary, MapBox*

- Built a full-stack web platform supporting user authentication, image uploads, and campground listings.
- Integrated geolocation and map-based features to enhance search, filtering, and user experience.

Online Art Auctioning Platform | *React, TypeScript, Vite, Tailwind CSS, Firebase*

- Developed a responsive web application enabling users to browse artwork and participate in online auctions.
- Implemented bidding workflows and client-side state management for real-time UI updates.

Technical Skills

Languages: Java, Python, C, C++, C#, TypeScript, JavaScript, SQL, Visual Basic .NET, HTML/CSS, Bash, Unix
Frameworks & Tools: Angular, React, Node.js, Express, .NET, Git, Azure DevOps, REST APIs, Power BI, Tableau