

AHMED ISMAIL

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Technical Skills

Languages: Python, Java, C, C++, C#, JavaScript, TypeScript, Go, HTML5, CSS, Bash, SQL

Developer Tools: Git, Mercurial, VirtualBox, MATLAB, Eclipse, JIRA, Confluence, Postman, AWS

Libraries: Bootstrap, Tailwind, TensorFlow, Keras, PyTorch

Frameworks: Flask, React.js, Express.js, Node.js, TestNG, Maven, Spring Boot

Databases/Stores: MySQL, PostgreSQL, MongoDB, Redis, NoSQL

Work Experience

Nokia	Incoming Winter 2026
Software Developer Intern	Ottawa, Canada
<ul style="list-style-type: none">• Incoming intern for Winter 2026, leveraging Splunk, Python, Docker & Jenkins	
Ross Video Ltd.	September 2025 - December 2025
Software Developer Intern	Ottawa, Canada
<ul style="list-style-type: none">• Co-led development of an automated video validation framework using Java, Selenium, Maven, and TestNG• Cut manual regression workload by 50% through advanced automation framework integration• Streamlined Jenkins CI/CD pipelines across Carbonite Switchers, boosting deployment speed and reliability• Drove automation adoption across 6+ product groups, reducing release times and elevating product quality	
Nokia	January 2025 – August 2025
Software Developer Intern	Ottawa, Canada
<ul style="list-style-type: none">• Built a validation framework using Python for 800G Ethernet and optical systems, automating functional testing• Enhanced CI/CD with REST APIs, improving test coverage and cutting validation by 45%• Migrated legacy Perl/TCL test modules to Python, improving scalability across 3 product lines• Integrated monitoring and log analysis tools using Splunk, enhancing debugging speed and performance insights	
Faculty of Engineering & Design - Carleton University	September 2024 – December 2024
Teaching Assistant - Computation & Programming, and Data Management	Ottawa, Canada
<ul style="list-style-type: none">• Led weekly lab sessions, mentoring 300+ students by teaching programming concepts• Offered personalized one-on-one support to students struggling with Python programming	

Projects

Football Manager AI Journalist	GitHub Live Demo
<i>Python, Flask, REST API, HTML, CSS, JavaScript, Git</i>	
<ul style="list-style-type: none">• Built an AI-powered bot that simulates football managers' responses in real-time using Flask & OpenAI GPT	
Money Tracker App	GitHub Live Demo
<i>MongoDB, Express.js, React.js, Node.js</i>	
<ul style="list-style-type: none">• Developed a full-stack MERN finance tracker with real-time analytics and responsive UI	
Embedded Interrupt-Driven LED & Sound Controller using MSP432	GitHub Live Demo
<i>Embedded C/C++, MSP432, ARM Cortex-M4, NVIC, GPIO</i>	
<ul style="list-style-type: none">• Deployed an interrupt-based system on the MSP432 using C to control LEDs and a buzzer	

Leadership & Extracurricular

elcanadawy1 Instagram Tiktok	April 2022 - Present
<i>Computer Science Content Creator</i>	
<ul style="list-style-type: none">• Built a community of 50K+ followers with 4.25M+ monthly impressions through educational coding content• Produced tutorials on data structures, algorithms, and career development for aspiring developers	

Education

Carleton University	Expected Graduation Date: April 2027
<i>Bachelor of Engineering (B.Eng.), Computer Systems Engineering, 4th Year, GPA: 3.7/4.0</i>	Ottawa, Canada
<ul style="list-style-type: none">• Relevant coursework: Data Structures & Algorithms, O-O Programming, Embedded Systems, Operating Systems	