

ARIAN NOURI

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Education

Carleton University

Ottawa, ON

B.Comp in Computer Science, CyberSecurity Stream

Sept. 2022 – May 2026

– Relevant Courses: Operating Systems, Web Dev, Software Engineering, Data Structures, Cybersecurity

Experience

Jr Application Developer - Benefits Realization Jr Project Officer

Department of National Defence (DND) – Ottawa, ON

Sept. 2024 – Present

- Lead developer of a department-wide Benefits Realization App using Power Apps, Power FX, JavaScript, and SQL.
- Built data models, automated workflows, and dashboards to track performance metrics.
- Integrated Power Automate and SharePoint Online for secure, scalable data management.
- Working independently to deliver a full end-to-end solution improving efficiency across DND.

IT01 Technical Analyst

Royal Canadian Mounted Police (RCMP)– Ottawa, ON

Sept. 2024 – Aug 2025

- Provided technical support for over 200 applications used by RCMP staff and external partners.
- Handled tickets and call center requests to resolve issues related to software, hardware, and access.
- Maintained confidentiality while resetting passwords, managing permissions, and troubleshooting systems.
- Collaborated with other analysts to solve complex cases and improve system reliability.

Custom PC Builder (Freelance)

Dec. 2019 – Present

- Built custom PCs for a range of use cases, balancing client needs and budget.
 - Researched part compatibility and sourced components for best performance and cost.
 - Assembled systems with attention to thermal, power, and functional optimization.
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Projects

ReadEasier.ca – Assistive Reading Platform | HTML/CSS, JavaScript 2025

Developed a responsive accessibility toolkit website offering Bionic Reading, Spritz, Text-to-Speech, Line Highlighting, and Color

- Overlays. Designed for neurodiverse readers to improve focus, speed, and visual comfort.

Terminal Cybersecurity Simulation | HTML, CSS, JS, Node.js 2024

- Built a web-based hacker terminal featuring fake shell commands, binary floods, vault unlocks, and AI logic.
- Used immersive design to simulate cybersecurity practices, OPSEC, and hacking protocols.

Cyberdeck Build and Interface | Raspberry Pi 4, ESP32, Python, C++, Bash, 3D Design 2025

- Currently designing and assembling a portable cyberdeck using Raspberry Pi 4, ESP32, and Pi Zero modules.
- Experimenting with GPIO access, peripheral integration, and ethical security tool deployment.
- Exploring 3D design and printing techniques for modular, rugged casing and SSD mounting.

ESP32 Resume Server – Captive Portal Portfolio | ESP32, C++, HTML, SPIFFS 2025

- Built a resume-hosting offline access point with OLED-driven UI and local resume image over SPIFFS.
- Integrated buttons and LEDs to create a fully functional interface and visual feedback system.

ESP32 Wireless Network Analyzer + NRF + TFT | ESP32, C++, Arduino IDE 2025

- Modified open-source Wi-Fi auditing firmware; configured and tested long-range sniffing via NRF24L01+.
 - Wired a 2.4" TFT display manually and debugged using C++ ILI9341 libraries and serial tools.
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Technical Skills

Languages: Python, JavaScript, C++, C, Java, HTML/CSS, Bash, SQL

Frameworks/Tools: React, Node.js, Arduino IDE, Git, VS Code, IntelliJ, Photoshop, After Effects, Unreal Engine 5

Hardware/Platforms: ESP32, Raspberry Pi, OLED/TFT Displays, NRF Modules, SPI/I2C/UART Interfaces

Spoken Languages: English, French, Farsi

Certificates and Awards

French Immersion High School Diploma (Ontario Ministry of Education)

Google Inbound Marketing Certificate, Google Analytics Certificate, French Language Certificate

Dean's Entrance Scholarship for Academic Excellence (High School Average: 90–94.9%)

Completed several hands-on labs on Arduino IDE for Raspberry Pi and ESP32 through online learning and experimentation