

# 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

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## Experience

### **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

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## **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