

AHMAD NAWEEN SAMANDAR

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Education

University of Ottawa

Bachelor of Applied Science in Software Engineering (Co-op)

Sep. 2024 – Present

University of Ottawa

Relevant Coursework

- Data Structures
- Algorithms Analysis
- Artificial Intelligence
- Systems Programming
- Software Methodology
- Web Development
- Cybersecurity
- Computer Architecture

Experience

Rideau-Rockcliffe Community Resource Center

Sep 2024 – Feb 2025

Volunteer Jr Software Developer

Ottawa, Ontario

- Enhanced front-end functionality for the CharITy13 project, **boosting website performance by 30%** and optimizing overall user experience.
- Developed and refined code segments under team lead supervision, **ensuring 100% responsiveness and accessibility** utilizing Python and JavaScript
- Optimized project workflow, **reducing task completion time by 25%** using Jira for tracking and Git for version control
- Gained **hands-on experience with DevOps practices**, including continuous integration, and developed a foundational understanding of IP Networks (LAN, WAN, WLAN, Firewall).

CCI (Catholic Centre for Immigrants)

July 2024 – Present

Part-time Youth Program Worker

Ottawa, Ontario

- **Maintained accurate service records** and program documentation, tracking youth and program progress
- Prepared monthly activity reports and **compiled statistical data to assess program impact** and decision-making
- **Participated in meetings and activities** to enhance support for newcomers and strengthen collaboration with partners like Sage Youth Program

Projects

Pingly | *HTML/CSS, JavaScript*

August 2025

- Developed an interactive social work-study platform for students and recruiter **using HTML/CSS, and JavaScript**
- Designed key product features based on **UI/UX principles, performance optimization, secure coding, and responsive layouts.**
- **Increased user engagement by 80%** through improved usability and feature design.

uORoute | *Python, HTML/CSS, JavaScript*

September 2024

- Developed an interactive campus navigation website, uORoute, **using HTML, CSS, and JavaScript**
- Implemented GitHub for version control, **reducing code conflicts by 90%** and improving team collaboration
- Utilized Trello for project management, streamlining task completion and **boosting productivity by 80%**

Parking Lot Simulator and Optimizer | *Java*

October 2020

- Developed a Parking Lot Simulator and Optimizer in Java, completing 5 assignments **applying 6+ OOP principles**
- Implemented binary search tree algorithms to optimize parking lot usage, **reducing queue buildup by 30%** and improving space utilization
- Gained hands-on experience with **5+ data structures (stacks, queues, lists) and exception handling**

Technical Skills

Languages: Python, Java, HTML/CSS, JavaScript

Developer Tools: VS Code, Eclipse, Google Cloud Platform

Technologies/Frameworks: Linux, GitHub, JUnit, WordPress

Leadership / Extracurricular

Pitch to Power Project

July 2025 - October 2025

Project Lead

Grant - Social Planning Concel of Ottawa (SPCO)

- Organized an interactive workshop on Artificial Intelligence, covering ChatGPT/DeepSeek structure and AI learning opportunities in Ottawa.
- Facilitated the Cricket Team Introduction and Jersey Launch event for a community-based tournament.
- Organized a four-month youth cricket training program at Monarch Cricket Facility.