

# AHMAD NAWEEN SAMANDAR

Ottawa, Ontario, Canada

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## Education

### University of Ottawa

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

**Expected: 2028**

*University of Ottawa*

## Technical Skills

**Programming:** Python, Java, JavaScript, CSS/HTML, C++

**UI:** Android Studio, XML UI layouts, Firebase Realtime Database

**Testing:** JUnit, Unit + Integration Testing, Debugging, QA Documentation

**Frameworks/Tools:** React.js, Docker, Jenkins, Git, Jira, Confluence, VS Code, Eclipse, Netlify, React.js

**Concepts:** SDLC, Agile/Scrum, Software Design Principles, API Integration, UML

## Projects

### Android Calculator App with Firebase Integration | *Java, Android Studio, Firebase, Git*

**October 2025**

- Developed a calculator application using **Java** and Android **XML UI layouts**, improving clarity and usability across devices.
- Integrated **Firebase Realtime Database** to store calculation history, enabling persistent personalized usage.
- Validated calculation logic and input handling using **JUnit test suites**, increasing functional reliability.
- Coordinated development in a **team environment**, applying **Git** for version tracking and **UML** diagrams.

### Pingly - Social Work/Study Platform | *React.js, JavaScript, GitHub, Figma*

**August 2025**

- Built the website structure using **React.js** and implemented interactive behavior in **JavaScript**, enhancing responsiveness and user flow.
- Designed UI/UX prototypes using **Figma** and refined graphics in **Photoshop**, improving visual clarity and consistency.
- Managed persistent user data using **SQLite** and integrated a simple **REST-style API route** to serve stored session and message records.

### uORoute | *Python, HTML/CSS, JavaScript, GitHub*

**September 2024**

- Implemented backend navigation logic in **Python** to calculate straight-path travel and reminder suggestions.
- Used **Git** to manage versioning and progress tracking, improving collaboration accuracy.
- Built front-end UI using **HTML/CSS** and **JavaScript**, improving ease of use through responsive layout and clear visual structure.

### Personal Portfolio Website | *JavaScript, React.js, Netlify, GitHub*

**August 2025**

- Developed a responsive portfolio interface using **JavaScript** for layout, component logic, and UI styling.
- Implemented automatic deployment with **Netlify's build pipeline**, reducing publishing time and improving update consistency.
- Maintained full version control history in **GitHub**, supporting ongoing iteration and feature review.

## Experience

### Rideau-Rockcliffe Community Resource Center

**Sep 2024 – Feb 2025**

*Volunteer Jr Software Developer*

*Ottawa, Ontario*

- Enhanced front-end functionality for the CharITy13 project using React.js, Python that boosts performance.
- Monitored and resolved vulnerabilities in Python modules using **GitHub Dependabot**.
- Enhanced CI/CD workflows through automation scripts written in Python and Jira-based coordination.

## Leadership / Extracurricular

### Pitch to Power Project

**July 2025 - October 2025**

*Project Lead and Manager*

*Grant Recipient - Social Planning Concel of Ottawa (SPCO)*

- Delivered hands-on workshops teaching students how to apply LLMs and AI agents for real-world problem solving.
- Delivered a **hands-on workshop introducing AI tools** (ChatGPT & DeepSeek) to community members.
- Coordinated project documentation and iterative testing to ensure quality of deliverables and process consistency.