Ahmad Naween Samandar

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Summary of Qualification

- Strong foundation in **Agile teamwork**, **Git version control**, **GitHub Actions**, UML system modeling, and building user-focused applications with clean architecture, testing, and documentation.

- Hands-on practice with front-end and full-stack development using **React.js**, **Node.js**, **Express JavaScript**, **Python**, and deployment platforms such as **Netlify** and **Firebase.**

- Hands-on experience **integrating APIs** and **LLM (Google Gemini)**, developing backend business logic and **RESTful API routes**, designing **SQL queries**, and enforcing validation and pre-commit checks such as run tests.

Education

University of Ottawa <div align="right">**Expected: 2029**</div>

Bachelor of Applied Science in Software Engineering (Co-op) <div align="right">*University of Ottawa*</div>

Technical Skills

Programming: Python, Java, JavaScript, CSS/HTML,
UI: Android Studio, XML UI layouts, Boothstrap, TailwindCSS
Testing: JUnit, Running Tests, Debugging, Input Validation, Error Handling
Frameworks/Tools: React.js, Jira, VS Code, Node.js, Express, Node Package Manager, Dotenv, Husky, Zod
CI/CD Netlify, Docker, GitHub Action, Git, Command line

Projects

Personal Portfolio Website - Integerated with Gabina | *React.js, Gemini API, Node.js, Express*   **Jan 2026**

- **Built a full-stack personal website** using **React** (frontend) and **Node.js with Express** (backend) to deliver a responsive UI and structured RESTful API routes.
- Integrated **Gemini API** to implement chat bot feature to enable real-time visitor Q&A, improving user engagement and showcasing applied AI integration.
- **Secured** external API access with **Dotenv** and managed business logic in JavaScript to ensure safe configuration handling and maintainable backend code.
- **Improved code quality and data integrity** by using **Husky pre-commit hooks** for automated formatting and **Zod-generated UUIDs** for reliable conversation tracking.

AlgoFinance | *React.js, Node.js, Express, GitHub, Gemini API* December 2025

- **Built an AI-driven finance platform** using **React** (frontend) and **Node.js/Express** (backend) to analyze uploaded files. .
- **Integrated Gemini API** to generate personalized financial insight reports automatically.
- **Created backend logic with JavaScript** for file validation, processing, and AI interaction.
- **Structured the system for clarity and scalability**, separating data, AI logic, and frontend presentation with **NPM**

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.

- Planned to integerate **SQL** to store user data integrated a **REST-style API route** to serve stored session and features records.

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.