

Nanribet Fwangje

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EDUCATION

B. Sc. Computing Science Specialization (Minor in Business)

University of Alberta

Expected Graduation Date: 2026

GPA: 3.8/4.0

- **Relevant courses:** Web Architecture (HTTPS, REST); Software Engineering (OOP, SDLC, Unit/integration testing); Database management (SQL, MongoDB); Data Structures & Algorithms; Operating Systems (Unix/Linux Environment);

SKILLS SUMMARY

- **Programming Languages:** Python, Java, SQL, JavaScript, C/C++, Kotlin, Linux, PowerShell, HTML, CSS
- **Technologies:** Git version control, Cloud platforms (GCP, AWS), Docker, GitHub Actions
- **Tools & Frameworks:** Django, Flask, MySQL, MongoDB, Pandas, NumPy, React, Scikit-Learn, Power BI, Excel
- **Software Development:** Object-Oriented Programming (OOP), Full-Stack Development, Web & Mobile Applications, Cloud-Native (Serverless), Databases, Scripting, Agile Methodologies, Test-Driven Development (TDD)
- **Soft Skills:** Communication, Problem-Solving, Coachable & Adaptability, Documentation, Time management

WORK EXPERIENCE / PROJECTS

Research Assistant (Data Automation & Management) | University of Alberta

Jan 2024 – Aug 2024

- Automated workflows for IT data collection through multi-threaded web scraping, reducing manual effort by 60% and improving accuracy.
- Improved cloud storage management on GCP, ensuring data security and compliance.
- Created clear documentation for automation tools to facilitate easy onboarding and adoption among researchers.

Event IT Support | Federation for Humanities and Sciences

May 2023 – Jul 2023

- Delivered exceptional customer service by providing real-time IT support to over 5,200 virtual attendees, achieving a 98% resolution rate and ensuring a seamless event experience.
- Collaborated with event organizers to anticipate and resolve technical challenges, minimizing future disruptions in high-pressure situations.

Cloud Infrastructure Development | [AWS, Docker, Automation](#)

Jan 2025 – Mar 2025

- Built and deployed a serverless cloud-based application to reduce trading execution latency by 40% through serverless workflows and cutting DevOps setup time by 30% with Docker containerization.
- Integrated CI/CD pipelines with GitHub Actions, enabling automated, scalable deployments.

Full-Stack Web Development | [Distributed Social Media Platform](#)

Sep 2024 – Dec 2024

- Worked with cross-functional teams to develop a decentralized platform using APIs, improving communication across nodes and reducing deployment errors by 25% through automated testing.
- Contributed to Agile sprints by facilitating team discussions and refining features based on user feedback, driving continuous improvement and ensuring alignment with project goals.

Software Development | [Event Management App](#)

Jan 2024 – Apr 2024

- Managed the development of a multi-role application, applying Agile and OOP principles to meet stakeholder needs.
- Demonstrated rapid learning by mastering Java and adapting Firebase for real-time event updates, enhancing team collaboration and delivering the MVP within 4 weeks.

Backend development | [Secure User Login Database System](#)

- Engineered a secure login system with MongoDB for scalable data management and reduced authentication vulnerability.

- Led team collaboration and project management to deliver robust backend solutions on time while executing key development tasks.

Machine Learning Model | Python, Scikit-learn

Sep 2024 – Dec 2024

- Developed machine learning models with feature engineering and cross-validation, improving predictive accuracy.
- Developed foundational skills in data preprocessing and model deployment with hands-on experience with ML workflows.

EXTRACURRICULAR ACTIVITIES

NAT Software Development Team (NeurAlbertaTech) | Agile Contributor

- Collaborated on neurotechnology projects using Agile, enhancing teamwork and technical communication.

Toastmaster (University of Alberta Public Speaking Club) | Technical Speaker

- Delivered impromptu presentations, refining my ability to explain technical concepts to non-technical audiences.

Business Finance Association (BFA) | AI/ML Project Lead

- Developed machine learning models for finance applications, earning first-place recognition from industry professionals from AIMCO and Auspice Capital Advisors.

CERTIFICATES

AWS Getting Started with DevOps | AWS Introduction to Containers | Build and Deploy APIs with Serverless CI/CD | Certificate in Innovation and Entrepreneurship