

# Andrew Adrian Ansah

aaaansah@gmail.com | 7807109134  
Linkedin | [GitHub](#)

## Education

University of Alberta  
Computer Science Bachelors

Edmonton, Canada  
September 2023 - May

## 2027 Experience

Freelance | Web developer

Remote | June 2024 - June

2024 Designed a professional portfolio website for a client using HTML, CSS, and responsive web design principles, ensuring an optimal user experience across devices

## Skills

Programming Languages: Python, C/C++, JavaScript, HTML5, CSS, Typescript  
Libraries/Frameworks: React, Matplotlib, NumPy, Langchain, Pandas, OpenCV, Mediapipe, PyQt5, Next.js, Node.js, TensorFlow, spaCy  
Tools / Platforms: Git, Jupyter Notebook, Firebase, Jupyter Notebook, MongoDB

## Projects / Open-Source

A4s Gym | [Link](#)

React, JavaScript, HTML5, CSS3, Netlify

- Built a personalized workout web app using React.
- Enabled users to select workout type, target muscle, and fitness goals.
- Developed front-end with JavaScript, HTML5, and CSS3.

HandMouseApp | [Link](#)

Python, OpenCV, Mediapipe, PyQt5

- Developed a hand-controlled mouse application inspired by BMW's gesture control system, enabling touch-free interaction.
- Utilized OpenCV, Mediapipe, and PyQt5 for real-time hand gesture recognition.
- Implemented webcam-based cursor control, reducing reliance on traditional input devices.
- Enabled click, double-click, and drag actions, enhancing usability for hands-free computing.
- Optimized sensitivity and scaling to provide a customizable and intuitive experience.

Ace budget AI | [Link](#)

Next.js, React, TypeScript, Node.js, Python Flask, MongoDB, Firebase, AI/ML (TensorFlow, spaCy, Hugging Face), Vercel, Docker

- Developed an AI-powered personal finance platform for budgeting and expense tracking for a hackathon.
- Integrated receipt scanning, email parsing, and AI-driven financial insights.
- Implemented predictive budgeting and real-time data management with Firebase and MongoDB.
- Deployed with Vercel, utilizing CI/CD automation via GitHub Actions and Docker.

Study Buddy AI | [Link](#)

Python, LangChain, Google AI, NumPy

- Collaborated on an educational bot which aimed to aid students with revising notes.
- Used Retrieval Augmented Generation (RAG) for information extraction.
- Integrated LangChain for natural language processing.
- Employed Google AI for advanced educational functionalities.
- Leveraged NumPy for efficient data manipulation.

## Extracurricular Activities

- Active member of EClub at the University of Alberta
- Formed a team to compete in hackathons
- Active member of Cybersecurity Hacking And Digital Security(CHADS) at the University Of Alberta.