**Ahmed Elshabasi**

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***Skills***

• Programming languages: Java, Python, JavaScript, C, C++, HTML, CSS, React, Node.JS, Express.JS, SQL

• Software tools: VS Code, Git, Github, Gitlab, Unity, Unreal Engine

• Cloud and AI Tools: AWS, Azure, Google Cloud Platform, TensorFlow, and PyTorch

• Cybersecurity: Google Cybersecurity Professional Certificate, regularly participate in CTF challenges

• Professional Skills: Adaptability, Communication, Detail-oriented, Leadership, and Time Management

***Education***

**Bachelor of Computer Science** Sep 2022 – Apr 2026 [Expected]

*University of Calgary – Calgary, Alberta*

***Experience***

**❖ Undergraduate Research Assistant** May 2024 – Sep 2024

*University of Calgary, Calgary, AB*

• Developed automated data analysis workflows using Node.js and React, accelerating data extraction by 30%

• Integrated Cloud-based solutions to enhance information retrieval processes

• Analyzed dataset patterns to propose AI-driven data processing improvements

• Collaborated with cross-functional teams to refine tools with real-time feedback

**❖ Self-Checkout Machine Software Developer** Sep 2023 – Dec 2023

*Academic Project, University of Calgary*

• Led a team of 20 in designing and developing Java software for self-checkout systems

• Analyzed user interaction to optimize design for maximum transaction throughput

• Applied data-driven feedback in interface design to enhance user experience

• Built solutions aligned with security protocols to protect transaction data

**❖ Full-stack Financial Assistant - Hackathon Project** Feb 2024

*Hackathon Event*

• Led a team of 4 to create a full-stack prompt-based financial assistant using Node.js and React

• Utilized ChatGPT’s API for real-time financial insights and assistance

• Coordinated development in a 24-hour hackathon, ensuring robust deployment

• Analyzed feedback to iterate and enhance user interaction in real-time

***Projects***

**❖ Educational Assessment Web App** Jan 2024 – Apr 2024

*JavaScript, CSS, HTML*

• Collaborated with a team of 5 to design a web application for dynamic assessments.

• Implemented real-time question randomization and grading functionalities.

• Ensured a responsive and user-friendly interface was maintained across devices.

• Analyzed user feedback to refine UI/UX for effective navigation.