

Saksham Anand

Phone: +15873415118

Email: saksham5@ualberta.ca

LinkedIn: [linkedin.com/in/sam186](https://www.linkedin.com/in/sam186)

Education

University of Alberta

BSc in Computer Science (Specialization in AI) | 2022 – 2026

Udemy

Complete Python Bootcamp | 2023

Complete Web-Development Bootcamp | 2024

Projects

Chatbot for PC

Developed a desktop assistant using OpenAI's NLP models and Python to automate tasks like web searches and scheduling. Integrated real-time data retrieval and voice commands, prioritizing secure data handling.

Image processor

Developed an AI-based image processing project using Python and OpenCV, implementing several image enhancement techniques such as Gaussian blur, edge detection (Canny), sharpening, contrast adjustment (CLAHE), brightness control, and image resizing. Successfully applied these filters to images for preprocessing and analysis.

Work Experience

Students Union Tutor - Computer Science and Math Tutor

May 2024 - Present

- Delivered lessons in computer science and mathematics, honing communication skills by simplifying complex concepts for students. Created custom lesson plans based on individual performance data, like data analysis techniques used in identifying patterns and optimizing learning strategies.

McDonald's - Crew Member

May 2023 - August 2023

- Worked in multiple roles including cashier and kitchen assistant, ensuring efficient service under pressure. Utilized organizational and multitasking skills to

streamline operations and boost customer satisfaction. Gained experience in teamwork and process optimization.

ISA Sponsorship Coordinator - Finance

September 2023 – Present

- Managed financial records and analyzed sponsorship data to forecast funding needs for ISA events. Developed strong data handling skills by maintaining accurate financial data and using it to create reports. Collaborated with teams to secure sponsorships, using data-driven insights to target and engage sponsors effectively.

Skills

Programming Languages:

Python, SQL, JavaScript, C++, Java, PHP

Data Science & Analytics:

Expertise in Python (Pandas, Matplotlib), SQL, and Tableau for data analysis, visualization, and building digital dashboards. Experience integrating data from multiple sources for streamlined reporting and business insights.

Machine Learning & AI:

Proficient with TensorFlow, Keras, and scikit-learn for building and optimizing predictive models and machine learning workflows.

Data Pipelines & Automation:

Experience with CI/CD, Docker, Jenkins, and Git for building and deploying data pipelines. Skilled in automated testing, orchestration, and version control.

Cloud & Database Management:

Hands-on experience analyzing data from cloud databases (AWS, Google Cloud), with applications for mobile mine equipment like trucks and shovels.

Collaboration & Problem Solving:

Strong problem-solving abilities in algorithm design and data-driven solutions. Effective in Agile team environments with excellent communication and documentation skills.