

SMIT SARAIYA, BSC

+1 (587) 966-2408 ◊ Calgary, AB, Canada

saraiyasmit@gmail.com ◊ linkedin.com/in/smit-s-7ab006142/ ◊ github.com/smitster1403 ◊ smit-kohl-two.vercel.app/

EDUCATION

Bachelor of Science in Computer Science, University of Calgary

June 2025

SKILLS

Java, Python, JavaScript, TypeScript, SQL — Data Structures, Algorithms, OOP — React, Next.js, REST APIs — PostgreSQL, MySQL — Cloud Deployment (Azure/GCP basics, Vercel) — Unit Testing, Debugging, Git

EXPERIENCE

Front end Developer Intern

July 2025 - Present

[ScamDetect](#)

Remote, Botswana

- Developed and deployed a production-ready web application using Next.js, TypeScript, and Tailwind CSS with a focus on maintainable, responsive design.
- Implemented and tested secure form-based workflows to support user communication and business operations.
- Improved UI based on user feedback, ensuring cross-browser compatibility, performance, and code quality.

Fullstack Software Developer

2024 - 2025

TechStart Club

Calgary, AB, Canada

- Completed end-to-end programming projects involving backend logic, database integration, and frontend.
- Wrote, tested, and debugged application code to meet functional and quality requirements.
- Applied object-oriented design principles and collaborated with teammates in an agile development environment.

Math instructor

2022 - Present

Mathnasium

Calgary, AB, Canada

- Improved student math performance by up to 90% through tailored instruction, stepwise problem-solving, and adaptive teaching strategies.
- Aided in training new hires at the math center informing them of strategies used for in-person and online instruction.

PROJECTS

SyncSpace (*Java, Swing, Socket Programming, Multi-threading, Maven*)

- Developed a multithreaded distributed application with emphasis on low latency and consistency.
- Implemented thread-safe components and synchronization mechanisms.
- Improved system recovery time by 50% through architectural optimizations.

Financial News Summarizer Pipeline (*Python, FinBERT (HuggingFace), Next.js, React, Typescript, Vercel*)

- Developed an NLP-driven pipeline to summarize financial news, improving the process by 60%.
- Leveraged the FinBERT transformer model to perform sentiment analysis on preprocessed financial text enabling the pipeline to process a daily average of 200 articles.

Donkey Kong Game (*C programming language, Raspberry Pi4, Bare-metal, GPIO*)

- Designed and implemented a 2D game running on bare-metal hardware without an operating system.
- Wrote low-level C code for input handling and hardware communication using GPIO.
- Optimized control responsiveness and gameplay loop through iterative testing and debugging.

OTHER EXPERIENCE

- Math tutor to students in grades 2 to 12 achieving 90% successful improvement in student performance over their academic year into the next. [*Oct 2022 - Present*]
- Mentored undergraduate students in the University of Calgary's Science Mentorship Program, supporting their transition into early university.