

Akash Adhikary

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EDUCATION

University of British Columbia

Exp. May 2025

Combined Major in Computer Science and Business

- **GPA:** 3.9/4.0
- **Clubs & Societies:** UBC BizTech, UBC Chess Club, UBC RISE

National University of Singapore

Aug 2023 - Dec 2023

GoGlobal Exchange Program

- **Awards:** NUS-UBC Exchange Award (\$2,000)

TECHNICAL SKILLS

Languages: JavaScript/TypeScript, Python, Java, C++, C, SQL

Tools & Frameworks: React, React Native, Node, Express, MySQL, PostgreSQL, Scikit-learn, Jest, Firebase

WORK EXPERIENCE

Blaise Transit

Apr 2023 – Aug 2023

Software Engineer Intern

Montreal, QC

- Developed and deployed **multiple end-to-end features** by integrating a React/React Native frontend with an Express backend connected to a MySQL database
- Reduced the waiting time between live bus location updates **by 98%** through the implementation of Firebase listeners and AsyncStorage
- Exceeded my intern responsibilities and **demonstrated proactive initiative** by resolving emergency client issues
- Frequently **took on additional tickets** upon early completion of my tasks, showcasing a strong dedication to team success

Apply Digital

May 2022 – Sep 2022

Software Engineer Intern

Vancouver, BC

- Leveraged the Contentful API to connect Kraft Heinz's content team to their official website, allowing them to generate and modify online product information **in seconds**.
- Developed **10+** sections and custom React components for a Fortune 500 client using atomic design principles
- Recognized as the **recipient of the Sprint MVP** award for consistently surpassing expectations by accomplishing tasks with exceptional efficiency and providing extra onboarding assistance to other interns

PROJECTS

Reservation Cancellation Model | *Python, Scikit-learn, XGBoost, Pandas, Numpy*

- Used machine learning to predict whether a customer would cancel their hotel reservation with **88% accuracy**
- Cleaned, scaled, and encoded data from **over 18,000 customer profiles**
- Rigorously **trained, tested, and evaluated** a variety of models, such as XGBoost and Logistic Regression
- Utilized hyperparameter optimization techniques such as RandomizedSearchCV resulting in a **37% increase in model speed** without sacrificing model accuracy

Spotify Museum | *JavaScript, React, Next, Spotify API*

- Created a web application for users to interact with their Spotify data using React, Next and the Spotify API
- Followed **Spotify's Implicit Grant Flow** method to securely authenticate a user using locally stored access tokens
- Deployed the project on Vercel, making it easily accessible and attracting **20+ users**

Photo Editing Tool | *C++, Gdb*

- Implemented robust algorithms to edit photos using **pixel manipulation** in C++
- Leveraged **BFS and DFS search** techniques to efficiently flood fill various images
- Constructed and rendered PNGs using **pixel pointers and multidimensional linked lists**
- Optimized image flipping and pruning using **binary tree traversal** methods