Canadian & Italian Citizen

Akash Adhikary

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EDUCATION

University of British Columbia — Exp. May 2025
Combined Major in Computer Science and Business — *Vancouver, BC*
- **GPA:** 3.95/4.33, Ranked Top 4% in Cohort of 1000+
- **Clubs & Societies:** UBC BizTech, UBC Chess Club, UBC RISE
- **Teaching Experience:** Teaching Assistant for CPSC 330 (Applied Machine Learning)

National University of Singapore — Aug 2023 - Dec 2023
GoGlobal Exchange Program — *Singapore, SG*
- **Awards:** NUS-UBC Exchange Award ($2,000)

TECHNICAL SKILLS

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

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

WORK EXPERIENCE

Konrad Group — May 2024 – Aug 2024
Software Developer Intern — *Vancouver, BC*
- Modernized and **recreated a legacy web application** by migrating from Java and Spring Boot to a stack including React, TypeScript, and GraphQL
- Implemented efficient caching using hash maps, reducing API calls **by 100%** on subsequent page loads
- Improved page loading times **by 88%** through optimized data fetching and rendering strategies
- Eliminated **100% of unauthorized accesses** to confidential data using role-based access controls and page blocking mechanisms

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

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

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