

Akash Adhikary

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EDUCATION

University of British Columbia

Combined Major in Computer Science and Business

Exp. May 2025

Vancouver, BC

- **GPA:** 3.95/4.33, Ranked top 4% in cohort of 1000+
- **Teaching Experience:** Teaching Assistant for CPSC 330 (Applied Machine Learning)
- **Clubs & Societies:** UBC BizTech, UBC Chess Club

EXPERIENCE

Konrad Group

Software Developer Intern

May 2024 – Aug 2024

Vancouver, BC

- Created a web application for internal users and admins to participate in and manage charitable auctions using React, TypeScript, and GraphQL
- Eliminated 100% of unauthorized accesses to confidential data using role-based access controls and page blocking mechanisms
- Implemented efficient caching using hash maps, reducing costly API calls by 100% on subsequent page loads
- Consistently assisted other developers on their tasks, thoroughly reviewing the highest number of pull requests among the team

Blaise Transit

Software Engineer Intern

Apr 2023 – Aug 2023

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

Software Engineer Intern

May 2022 – Sep 2022

Vancouver, BC

- Leveraged the Contentful API to connect Kraft Heinz's content team to their official website, reducing the time required to generate and modify online product information from days to seconds
- Developed 10+ responsive, reusable, and efficient React components for a web app with over 1.5M monthly users
- 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*

- Utilized 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
- Employed hyperparameter optimization techniques such as RandomizedSearchCV resulting in a 37% increase in model speed without sacrificing model accuracy

Photo Editing Tool | *C++, Gdb*

- Implemented optimized 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

TECHNICAL SKILLS

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

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