# Akash Adhikary

akash7adhikary@gmail.com | aaaka5h.github.io | linkedin.com/in/akashadhikary | github.com/aaaka5h

## EDUCATION

**University of British Columbia**  Exp. May 2025
*Combined Major in Computer Science and Business*  *Vancouver, BC*
- **GPA:** 3.9/4.33, Ranked top 4% in cohort of 1000+, Dean's List
- **Teaching Assistant Experience:** CPSC 330 (Applied Machine Learning), CPSC 317 (Computer Networking)
- **Clubs & Societies:** UBC BizTech, UBC Chess Club

## EXPERIENCE

**Konrad Group**  May 2024 – Aug 2024
*Software Developer Intern*  *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**  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, 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, Go, C++, C, SQL

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

**Hobbies & Interests:** Chess, Crosswords, Guitar, Puzzles, Skiing, Soccer, Traveling