

# AKSHAR GOYAL

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## EDUCATION

University of Waterloo  
B.Math Statistics (co-op)

Waterloo, ON, Canada  
September 2017 – December 2022

- **Relevant Courses:** Computational Statistics and Data Analysis, Classification, Advanced Regression, Algorithmic Problem Solving, Databases, Data-Intensive Distributed Analytics, Numerical Computation, Object-Oriented Development

## PROFESSIONAL EXPERIENCE

Abbott Diabetes Care

Mississauga, ON, Canada

Salesforce Effectiveness and Data Analyst intern

May 2022 - Aug 2022

- **Enhanced sales team performance** by applying business intelligence to correlate activities & data points, **increasing productivity by at least 5%**
- **Accelerated KPI dashboard management** by automating report generation using Python modules openpyxl and simple-salesforce, resulting in a **2x faster preparation** of monthly presentations
- **Synergized customer data** between CRM and third-party tools (OneKey – IQVIA) for effective maintenance on Salesforce, leading to an **improved accuracy rate of at least 80%**

University of Waterloo: Waterloo Experience Accelerate

Waterloo, ON, Canada

Team Lead (Modern Web Development Stream)

Sept 2021 – Dec 2021

- **Facilitated hands-on workshops** by Manulife remotely on MS Teams to a cohort of about 40 students through effective communication skills and vigilance, **resulting in an 85% student satisfaction rating**
- **Learned basic React** and other modern web app-based tools in a **short period via time management** to address students' technical issues later efficiently, resulting in **88% successful project completion** on time
- **Provided timely support** by acting as a medium throughout the program, which ensured an **average 5-minute response time** for resolving student issues

Cheriton School of Computer Science

Waterloo, ON, Canada

Instructional Support Assistant (Bash, C-lang, C++)

Jan 2020 – Dec 2020

- **Created comprehensive tutorials** for 100+ students to gain a better understanding of C++ object-oriented programming, resulting in a **3% increase in overall scores** in assessments
- **Designed a C-based final project** with clear objectives and assessment criteria for student evaluation, demonstrating a **strong understanding of C-lang concepts** which resulted in an excellent work term evaluation

## PROJECTS & OUTSIDE EXPERIENCE

Data Engineering Project: Toronto COVID-19 cases

Remote

Zoomcamp project via DataTalks

Jan 2023 – Apr 2023

- **Developed efficient data ingestion pipelines** using Docker and Prefect to extract data from web to data warehouse, resulting in a 25% reduction in processing time and 50% reduction in pipeline failure rates
- **Created optimized models** through effective partitioning and clustering in BigQuery and testing accuracy in DBT, to **improve data quality by 10%**, and later to visualize using Looker Studio for **clear and concise data representation**

Weather Classification model

Remote

Zoomcamp project via AI Planet

June 2022 – July 2022

- Build an **image classification model** that used **VGG19 layer and a Convolutional Neural Network** to classify an image of weather as sunny, rainy, foggy, cloudy

Cancer Classification model

Remote

Zoomcamp project via AI Planet

May 2022

- Build a **Random Forest model** to classify cases of cancer as benign or malignant and **use SHAP** to deduce what features contributed by what weight to the classification

## ACTIVITIES & LEADERSHIP

School of Accounting and Finance

Waterloo, ON, Canada

Exam Proctor

Oct 2022 – Dec 2022

University of Waterloo Faculty Ambassador

Waterloo, ON, Canada

Ambassador

May 2018 – Apr 2020

University Campus Housing

Waterloo, ON, Canada

Residence Assistant

Aug 2019 – Apr 2020