

# Swapnil Dubey

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## EDUCATION

### The University of British Columbia

Vancouver, BC, Canada

BSc in Statistics and Computer Science

Sept 2022 - May 2026

Courses: Systematic Program Design, Computer Systems, Basic Algorithms and Data Structures, Software Construction

### Venkateshwar Global School

Delhi, India

High School Diploma, CBSE-AISSCE(Science) Average: 96.2% with 100% in CS

April 2018 - June 2020

## ABOUT ME

**Technical Skills:** Python, R, SQL, Java, HTML/CSS, C/C++, Excel VBA, LaTeX, Scheme

**Interests:** Machine Learning, Big Data, Cryptocurrencies and Blockchain, Photography, Design, Web3

## WORK EXPERIENCE

### External Director

Aug 2023 - Present

UBC Exchange and International Students Club

Vancouver, BC

- Managed external relationships, securing funding for club initiatives.
- Strengthened sponsor partnerships, surpassing expectations.
- Collaborated with the treasurer for sponsorship activities.
- Bridged gaps between the club and external stakeholders.

### Data Analysis Apprenticeship

Aug 2023

British Airways

Remote

- Conducted web scraping for customer review data analysis.
- Executed a machine learning-based predictive model.
- Visualized results for impactful presentations.

### Jumpstart Orientation Leader

Aug 2023 - Sep 2023

University of British Columbia

Vancouver, Canada

- Guided new students through their transition to university life as a Jumpstart Orientation Leader, showcasing strong leadership and support skills.
- Managed logistical aspects, collaborating with leaders to ensure a seamless, engaging experience for participants at the start of the Jump Start program, balancing both in-person and virtual components.

## COMPETITIONS AND PROJECTS

### Sentimeet - Meeting Emotion Analysis | Python, Machine Learning, HTML/CSS, Javascript Jun '23 - Present

- Utilized computer vision and NLP for online meeting emotion analysis.
- Empowered professionals with actionable insights, resulting in a notable increase in meeting productivity and informed decision-making
- Addressed the unique needs of individuals with autism by providing real-time emotional cue analysis during virtual meetings, contributing to a substantial improvement in emotional recognition and social interactions.

### Water Potability Classification | R Programming, Supervised Machine Learning, Classification Oct '22 - Dec '22

- Developed a K-nearest neighbors model in R for water potability assessment.
- Analyzed a dataset of 3000+ synthetic water samples, assessing the model's accuracy, achieving 70.6% accuracy in testing on unknown data, evaluating its reliability and precision.
- Represented UBC at Google's Solutions Challenge 2023.

### Pet Pal: Pet Care Tracker in Java | Java, Swing, JSON, Unit Testing

Jan '23 - Mar '23

- Developed Java app with GUI for pet care management.
- Incorporated intelligent recommendations for pet routines.
- User-friendly pet management program with features like interaction recording, smart suggestions based on pet history, and intuitive navigation for busy pet owners.

### Review Analysis | Python, APIs, Regular Expressions

Aug '22

- Developed a Python desktop application, with APIs to collect and analyze trustworthy customer reviews for Amazon shopping products, featuring text-emotion analysis and graphical representation with matplotlib to offer valuable insights on product performance through customer feedback