

# Kanishka Verma

KELOWNA, BC · COMPUTER SCIENCE MAJOR

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## Experience

### Fortinet Inc.

Vancouver, BC

WEB DEVELOPER INTERN

May 2022 - Current

- Worked on the FortiOS team developing and debugging front-end code to write production-ready code using **Angular** and **Angularjs**.
- Collaborated and used advanced git workflows with a team of 50 developers.
- Developed using the **Linux** operating system, **TypeScript**, and **JavaScript**.
- Acquired deep knowledge involving networking, firewalls, and network security.

### Royal Bank of Canada

Toronto, ON (Remote)

FULL STACK DEVELOPER INTERN

Sep 2021 - May 2022

- Engineered an AutoML pipeline from scratch involving imputation, categorical encoding, feature engineering, model selection, and hyperparameter optimization using **Python**, **Apache Spark**, **Apache Openshift**, **Kubernetes**, and **H2O**.
- Sped up the model training and hyperparameter tuning process by 50% achieving better accuracy than manually trained models.
- Adapted to a vendor platform (**Palantir Foundry**) with a lack of documentation quickly.
- Invented a new way to add support for python libraries in **Palantir Foundry**. Thus, helping the data science team immensely.

### University of British Columbia

Kelowna BC

RESEARCH ASSISTANT

Jan 2021 - May 2021

- Designed and developed a new UI with a team of developers for a website used by university professors to make teams for group projects.
- Advocated for WCAG adherence to develop new UI.
- Utilized the following tech stack: **Django**, **PostgreSQL**, **Docker**, **Redis**.

### University of British Columbia

Kelowna, BC

TEACHING ASSISTANT

Jan 2020 - May 2020

- Instructed 2 classes of 20-30 students teaching data structures and algorithm concepts in **Java**.
- Worked in a team of 5 to mark assignments/exams and assist students during classes.

## Technical Projects

### Capstone Project | Full Stack Project

REACT, REDUX, NODE, DJANGO, POSTGRESQL, MONGODB, RABBITMQ, S3, DOCKER, REDIS

- Established a firm that involves creating videos using ML models and posting them on a website akin to Youtube.
- Architected a full-stack website powered by **React** and **Redux** on the frontend, and **Node** and **Django** on the backend. **Amazon Web Services** (S3, Amplify) were used for video storage and hosting. Moreover, the project used two databases (**MongoDB**, and **PostgreSQL**). Authentication and security were implemented using **Auth0** and **JWT**.
- Collaborated and coordinated with a client and a team of 4 engineers.

### Pokedex | React SPA

<https://pokedexme.vercel.app/>

REACT, REDUX, REST, BABEL, WEBPACK

- Fetched and displayed data from a **REST API**(<https://pokeapi.co/>) using a frontend powered by **React**, while also integrating **Redux** for global state management and error handling.
- Utilized **Babel** and **Webpack** in the development of the app to support legacy browsers.

### Covid.army | Open Source

<https://covid.army>

NEXT.JS, REACT, TAILWINDCSS

- Contributed to and helped in the development of covid.army, an open-source website dedicated to providing information on COVID-19 related resources in India which was visited by over 4,000,000 people.

## Skills

**Languages** Python · JavaScript · TypeScript · Java · SQL · R**Technologies** React · Angular · Redux · Express · Django · REST · Linux · Git · PostgreSQL · Docker · AWS · Sass · Firebase · Vim

## Education

### University of British Columbia

Kelowna, BC

B.SC. COMPUTER SCIENCE

Sep 2018 - April 2023

- **91.4% GPA**
- **Awards:** International Major Entrance Scholarship · Outstanding International Student Scholarship · Dean's list - all years