Kanishka Verma

KELOWNA, BC · COMPUTER SCIENCE MAJOR

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Skills

Languages	Python · JavaScript · TypeScript · Java · SQL · R
Back-end	Express · Django · REST · GraphQL
Front-end	React · Redux · Angular
Other:	Linux · Git · PostgreSQL · Docker · AWS · Sass · Firebase · Vim

Experience

Fortinet Inc.   *Vancouver, BC*

WEB DEVELOPER INTERN   *May 2022 - Current*

- worked on the FortiOS team developing and debugging front-end code using Angular and Angularjs written in **TypeScript** and **JavaScript**
- Developed using the **Linux** operating system.
- gained a lot of knowledge involving networking, firewalls, and network security.

Royal Bank of Canada   *Toronto, ON (Remote)*

FULL STACK DEVELOPER INTERN   *Sep 2021 - Current*

- 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.

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.
- Tech stack included **Django, PostgreSQL, Docker, Redis.**

University of British Columbia   *Kelowna, BC*

TEACHING ASSISTANT   *Jan 2020 - May 2020*

- Conducted labs for first-year students, with responsibilities ranging from providing support with data structures in **Java** to correcting assignments and marking examinations.

Technical Projects

Capstone Project | Full Stack Project

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

- Collaborated with a client and a team of 4 engineers to help establish a firm that involves creating films using ML models and posting them on a website akin to YouTube on a smaller scale.
- 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, PostgreSQL**). Authentication and security were implemented using **Auth0 and JWT** .

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. Finally, 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.

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