

Kanishka Verma

KELOWNA, BC · COMPUTER SCIENCE MAJOR AND DATA SCIENCE MINOR

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Skills

Programming Python · JavaScript · TypeScript · Java · SQL · R

Frameworks/Libraries React · Redux · Angular · Express · Firebase · Pandas · Django

Other: Linux · Git · postgresql · Docker · AWS

Experience

Royal Bank of Canada

Toronto, ON (Remote)

ML ENGINEER INTERN

Sep, 2021 - April, 2022

- Engineered an AutoML pipeline from scratch involving imputation, categorical encoding, feature engineering, model selection and hyper-parameter optimization.
- Enabled the employees in the company to use the pipeline using a web interface made using Springboot and Angular.
- used SparkML, Pyspark, Apache Hadoop, H2O, SQL queries, Scikit-learn, Xgboost

UBC

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.
- Worked with Django, MySQL, Docker, Redis

UBC

Kelowna, BC

TEACHING ASSISTANT

Jan, 2020 - May, 2020

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

Education

University of British Columbia

Kelowna, BC

B.Sc. COMPUTER SCIENCE AND DATA SCIENCE MINOR

Jan, 2018 - April, 2023

- Dean's List: 92% Average

Technical Projects

Summer 2021 Capstone Project | Full Stack Project

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

- worked with a client and helped
- Integrated Redux for global state management and error handling.
- Utilized Babel and Webpack in the development of the app to support legacy browsers.

Pokedex | React SPA

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

REACT, REDUX, REST, BABEL, WEBPACK

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

Remarrk | Full Stack Project

<https://bit.ly/31uafpE>

REACT, GOOGLE CLOUD SERVICES, NODE.JS, AWS AMPLIFY

- Web app which uses React for the frontend, Express on the backend and firebase for database and authentication, while being Hosted using AWS Amplify.

Covid.army | Open Source

<https://covid.army>

NEXT.JS, REACT, TAILWINDCSS

- Contributed and helped develop Covid.army, an Open Source website devoted to providing info on Covid related resources in India. The website was visited by over 3 million people.

Sentiment-Analysis | Machine learning

<https://bit.ly/303OIDq>

PANDAS, NUMPY, SCIKIT-LEARN

- Implemented several machine learning models using Natural language processing (NLP) including Gradient-boost, XGboost, ADA-boost to classify pieces of text as either positive or negative. The best model had an accuracy of over 92% on test data.

Game AI | Artificial Intelligence Project

<https://bit.ly/3H0iB8H>

JAVA

- Worked with a team to implement a game AI for game of the amazons. The game agent used Minimax search with Alpha beta pruning and iterative deepening to win. The agent was one of the top performers in the class.