Kanishka Verma

Kelowna, BC · Computer Science Major and Data Science Minor

236-457-3876 | kanisverma@gmail.com | https://github.com/kanishkaverma | https://www.linkedin.com/in/kanisverma/

Skills

Programming	Python · JavaScript · TypeScript · Python · Java
DevOps	AWS · Docker
Back-end	Express · Django · REST · GraphQL
Front-end	React · Redux · Angular

Experience

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

ML ENGINEER INTERN   *Sep, 2021 - April, 2022*

- Engineered an AutoML pipeline from scratch involving imputation, catergorical encoding, feature engineering, model selection and hyper-paramter 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 proffesors 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   *Sep, 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

- Fetched and displayed data from a REST API using a frontend powered by React.
- Integrated Redux for global state management and error handling.
- 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/3O3OIDq*

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 | Aritifical Intelligence Project   \textit{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.
- Our agent placed sixth out of twenty five.