Kanishka Verma

KELOWNA, BC · COMPUTER SCIENCE MAJOR AND DATA SCIENCE MINOR

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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

Experience

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 Apache Spark, Apache Openshift, Kubernetes and H2O.
- Enabled the data scientists in the company to use the automl pipeline through a web interface made using Springboot and Angular.
- Sped up the model training and hyperparameter tuning process by 50% achieving better accuracy than manually trained models.

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 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.

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 for 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 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 AND DATA SCIENCE MINOR *Sep 2018 - April 2023*

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