Krishna Kantwala

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TECHNICAL PROFICIENCIES

Programming Languages	Python, Java, C++, SQL
Scripting Languages	HTML, CSS, JavaScript
Databases	MySQL, MSSQL, MongoDB
Version control, Software Tools and IDE	Git, Jira, Confluence, Bitbucket, IntelliJ, Visual Studio code, Jupyter Notebook
Frameworks and Environment	Spring Boot, Linux, NodeJS, React, Vaadin, JSON
Application Monitoring and Visualization	Logstash, Prometheus, Grafana
Big Data Tools	Apache Kafka, Zookeeper

EDUCATION AND CREDENTIALS

MASTER OF ENGINEERING - SPECIALIZATION IN SOFTWARE **APR 2021**
University of Waterloo, Waterloo, ON, CA GPA 89/100

BACHELOR OF TECHNOLOGY (B.TECH) IN COMPUTER ENGINEERING **MAY 2018**
Gujarat Technological University, Gujarat, India GPA 9.36/10

PROFESSIONAL EXPERIENCE

DEL-COIN HOLDING INC, ORO-MEDONTE, ON, REMOTE **JUL 2020 TO SEP 2020**
Del-coin offers new opportunities to companies seeking to grow and develop business relationships in Canada.
SOFTWARE DEVELOPER

- Design and developed two websites in compliance with client, business requirements and expectations; **shirtclub.shop** where customers looking to purchase shirt and **scsoldhere.com** where clothing retailers and those in the business of decorating clothing can register as shirt club partners.
- Built these websites with **NodeJS** and **react** framework to support the activities of the shirtclub.net website and displayed results on web pages by writing components, directives, services, and route providers.
- Extensively used HTML5, CSS3, bootstrap, media queries and tested front-end code in multiple browsers to ensure cross- browser compatibility and reduce complexity of code by writing reusable components.

MULTI COMMODITY EXCHANGE OF INDIA LTD., MUMBAI, MAHARASHTRA, INDIA. **JAN 2018 TO DEC 2019**
MCX is a state-of-the-art commodity derivatives exchange that provides a platform for clients to trade in various commodities like Agriculture, Metals and precious metals.
SOFTWARE ENGINEER

- Collaborated in a team on a distributed, real-time market monitoring tool in **Java**, involving streaming data using **Kafka** for communication between applications, to replace legacy system.
- Developed and worked on frontend design of an application in **Java** and **Vaadin** for the surveillance team to monitor any market manipulation activity.
- Reverse-engineered multiple core business logics by conducting scenario-based testing and market research.
- Built a log monitoring tool and created visualization using **Grafana** and **Logstash** for any unusual activity happening in an application.
- Built long-lasting relationships with stakeholders for reducing requirement gathering timelines by demonstrating the need for in-house development.

ACADEMIC PROJECTS

IMDB Sentiment Analysis (Python) **MAY 2020 TO AUG 2020**

- Performed deep learning convolutional model with RNN LSTM model to get the maximum accuracy on IMDB dataset which has 25000 positive and 25000 negative review and able to obtain 88% testing accuracy.

Traffic Management System – Vertex Cover Problem (Python, C++) **JAN 2020 TO APR 2020**

- Minimized the number of cameras needed to install at traffic intersection by an optimized solution of vertex cover problem.
- Used Inter-Process Communication(IPC) in diver program to link output of Python scripts to the input of C++ program.
- Calculated minimum vertex cover using MiniSAT Library(a SAT Solver)

CERTIFICATIONS

CERTIFICATE IN BUSINESS AND ENTREPRENEURSHIP **JAN 2020 TO APR 2021**
Conrad School of Entrepreneurship and Business, Waterloo, ON

ECE VOLUNTEER MENTORSHIP PROGRAM **APR 2021**
University of Waterloo