Krishna Kantwala
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LinkedIn | GitHub

TECHNICAL PROFICIENCIES

Programming Languages	Java, Python, 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

SANDVINE CORPORATION, ON, WATERLOO **JUN 2021 TO PRESENT**
Sandvine helps customer deliver exceptional services and improve network performance with increased application for fixed, mobile and coverage networks .
FULL STACK SOFTWARE DEVELOPER
- Working as a part of company's Network Intelligence and service innovation Group's project on network performance deliverables tools to identify and fix the network problems associated with transitioning from 4G to 5G using micro services and included technologies such as **Java**, **Spring Boot**, **ReactJS**, **NodeJS**, **Vertica** and **Docker**.
- Working as a full stack developer, I worked on an end-to-end analytics dashboard using Spring Boot, ReactJS-HTML-CSS, BootStrap and NodeJS to provide a historical and real-time views of customer bandwidth consumption, interaction with the network and to track the usage of the web-application.
- Additionally routinely fixed bugs and did code refactoring as part of each sprint in the agile development..

MULTI COMMODITY EXCHANGE OF INDIA LTD., MUMBAI, MAHARASHTRA, INDIA. **JUN 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