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Krishna Khadka

R&D Engineer at Micro Focus India Pvt. Ltd.

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https://github.com/khadkakrishna

Looking to apply hands-on experience in data modeling for big data analytics and create a complete solution by integrating various programming languages and tools.

EMPLOYMENT

Feb 2020 - Present

RESEARCH AND DEVELOPMENT ENGINEER– Micro Focus Software India

Technologies: Java, JSP, Python, Flask and JDBC.
+ access management solution that provides single sign-on and secure access to web-based applications, SaaS services, and federated business-to-business interactions
+ used industry standards to deliver federated single sign-on and supports multi-factor authentication, role-based access control, and data encryption.

Oct 2019 – Jan 2020

MACHINE LEARNING TRAINER– TCIL-IT, ICS Group, Chandigarh

Technologies: Python, Machine Learning, Spark etc.
+ Worked on Data Science and Machine learning real-time projects
+ Designed and developed algorithms for predictive modelling and statistical inference.

EDUCATION

2016 - 2020

B.TECH. COMPUTER SCIENCE ENGINEERING
Chandigarh University, Mohali, CGPA- 8.75

2014 – 2016

HIGHER SECONDARY CERTIFICATION
Percentage- 94.22%

CERTIFICATIONS

2020   **LINKEDIN LEARNING:** Apache Kafka Training.

2020   **MONGODB:** Python Developers, Aggregation Frameworks and Data Modelling.

2019   **LINKEDIN LEARNING:** Python Design Patterns and OOPS.

2019   **UDEMY:** Hands on Machine Learning and Artificial Neural Networks.

2018   **TCIL-IT:** Six Months training in Data Science and Machine Learning.

2018   **GOOGLE CLOUD:** How Google does Machine learning

SKILLS

Languages	Python, Java, C/C++
Databases	MongoDB, MySQL, Oracle.
Machine Learning	Feature Engineering and predictive Modelling.
Data Structures	Linear (arrays, lists, stack, queue) and Non-Linear (graphs, trees, heaps etc.)
Algorithms	D&C, Greedy, dynamic Programming and Backtracking algorithms.
Deep Learning	Models (ANN, RNN, CNN and LSTM); Frameworks: Keras and Tensorflow.
BIG Data Analytics	Apache Hadoop, Spark
Data Visualization	Libraries: Matplotlib, Plotly; Software: QGIS.
Web Development	HTML, CSS, Bootstrap, JS, Flask Framework.
Operating Systems	Windows, Linux and MacOS.
Others	Time Series Analysis (ARIMA), NLP using Nltk, Geographic Information System (GIS), Apache Kafka, AWS and Google-Cloud Platform.

PROJECTS

2020

LET'S ENCRYPT CLIENT FOR HTTPS CERTIFICATIONS:
Technologies: Java, acme4j (package), JSP, python, flask, acme(python-library).
Created a client to generate free https certificates using Let's Encrypt and acme4j library for implementation of ACME protocol and embedded in the product and keep track of the certificates like renewal, revocation etc.

2020

STREAMING TWITTER DATA USING KAFKA:
Technologies: Apache Kafka, Java, Apache Zookeeper, Twitter API.
Created an end to end pipeline to extract data from twitter using twitter API that acts as "Producers" and stream data to various "Consumers", keeping track of the various "topics" and "partitions" for the data storage keeping in account data-consistency using "brokers".

2019

GEOSPATIAL ANALYSIS ON STARBUCKS STORE LOCATION
Technologies: Python, QGIS, Libraries: Folium and Geopandas.
Geocoding of missing location coordinates and Assessment of stores performance on the basis of population, income, age, and other attributes.

ACHIVEMENTS

2020   **GATE-2020** Computer Science and IT qualified.
2018   **CERTIFICATE OF MERIT** from TCIL-IT Chandigarh.
2016   **100% SCHOLARSHIP** for bachelor's degree from Chandigarh University.

REFERENCES

ROHIT SINGH
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