Krishna Khadka

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| R&D Engineer at Micro Focus India Pvt. Ltd. | |
| Linkedin logo | Free Icon | <https://www.linkedin.com/in/kkhadka/> |
| Github Logo - Free social media icons | <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

Geospatial Data Scientist, Near India Pvt. Ltd.

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