

Akshay Choudhary

Data Scientist

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OBJECTIVE

Business acumen Data Scientist with 3+ years of a successful track record of experimental design, statistical analysis, predictive ML modeling, and deploying ML models. I am very confident in what I have learned and implemented in the analytics and Machine Learning space so far. I have realized that I have tremendous potential to grow and learn in the Data space because of my problem-solving capabilities, ability to stand right in front of the challenges to fight back big data with robust and scalable data models, and exceptional communication skills.

PROFESSIONAL EXPERIENCE

ZINATION

Ottawa, Canada

Data Science Intern

NOVEMBER 2021- April 2022

- Built Deep Reinforcement Learning model to recommend ads to the users of Shopify store using deep contextual bandit algorithm.
- Developed Python scripts and Flask REST API to interact with multiple Shopify stores.
- Co-ordinated with the backend developer to integrate the API with the existing workflow.
- Improved company's return on investment from the ad campaign and increased click-through-rate by 5%

PLAY4WORK

Ottawa, Canada

Data Analyst Intern / Growth Strategist

April 2021 - July 2021

- Developed and presented data-based insights to inform brand strategy and campaign planning for clients across several industries (e.g., blockchain, education, human resources, etc.)
- Analyzed participant interaction on the client's discussion forum using NodeXL and identified the latest trends to encourage participation on the platform.
- Developed analytics reports and Tableau dashboards to monitor campaign performance and brand health
- Identified target audiences through segmentation and clustering exercises using user profile data.

SERS GLOBAL COMMUNITY

Ottawa, Canada

Data Analyst Intern

June 2021 - July 2021

- Created dashboard for 45+ partners of CBLV course taught in Summer of 2021.
- Created live dashboard to visualize data gathered through learning management system for stakeholders.
- Worked on topic modeling of takeaways submitted in the course with the help of the LDA algorithm in NLP.
- Assisted in developing interactive dashboard application for students to explore topic models and deploy on Linux server.

TATA CONSULTANCY SERVICES

Delhi, India

Data Scientist

October 2018 - December 2020

- Designed and managed all 10+ data schemas for data collection of sensor data from crop research labs.
- Built an inventory management systems of research test samples (both front and back-end, feature APIs) used by RnD scientists and improved the efficiency by 80%.
- Developed an anomaly detection package (Python) and Flask REST API that detects anomalies in sensor data and trigger alert to the client.
- Developed storage packages and APIs that are currently being used internally in the team to extract/load/update data from MongoDB and Azure Data Lake.
- Used analytics methods such as Linear Regression, Decision Trees, Support Vector Machines, Random Forests, Naïve Bayes, KNN, Logistic Regression, Time series forecasting, and Neural networks.

EDUCATION

CARLETON UNIVERSITY

OTTAWA, CANADA

Master of Applied Business Analytics, Technology Innovation Management

JANUARY 2021- APRIL 2022

GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY

DELHI, INDIA

Bachelor of Technology, Major in Electronics and Communication (GPA - 3.42/4.0)

2014-2018

ADDITIONAL INFORMATION

- Technical Skills: Python, Apache PySpark, Microsoft SQL Server, AWS, Azure, Deep Learning, HTML, CSS, MongoDB, Reinforcement learning, Flask, Django, StreamLit, TensorFlow, Keras, Git, C#, Dot Net, Databricks
- Tools: Tableau, Power BI, NodeXL, Orange, Google Data Studio