

Dhaval Patel

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EDUCATION

Northwestern University, Evanston, IL (NU)
Master's Degree in Data Science

Anticipated: Jan 2024
GPA: 4.0/4.0

University of Illinois at Chicago, Chicago, IL (UIC)
Bachelor's Degree in Computer Science

Graduated: May 2019

CERTIFICATIONS

Microsoft Azure AI Fundamentals | Google Associate Cloud Engineer

TECHNICAL SKILLS

Programming: Python, R, SAS, SQL, PySpark, Tensorflow, Java, C++, .NET, Selenium, AutoSys

Data Science: Decision Trees, Random Forest, Gradient Boosting, K-Means Clustering, Neural Networks

Libraries: Scikit-Learn, Keras, Pandas, NumPy, Matplotlib, Seaborn, dplyr, tidyverse, ggplot2,

Application: RStudio, PyCharm, Jupyter Notebook, Visual Studio, Eclipse, Adobe Campaign Platform

Cloud Services: Google Cloud Platform (GCP), Amazon Web Services (AWS), Microsoft Azure

DATA SCIENCE PROJECTS

Exploratory Data Analysis on NBA Players Statistics in Python ([link](#))

- Analyzed correlations between each NBA team, position, and shooting category who are more likely to score points in 3 pointers category than 2 pointers, have more chances of being on a team that makes the playoffs.

Abalones Statistical Analysis in R ([link](#))

- Performed Exploratory Data Analysis to analyze distributions, found plausible reasons why original study was unsuccessful in predicting abalones age and harvesting procedures with regression, ANOVA, and ROC curve.

WORK EXPERIENCE

Publicis Sapient | Adobe Campaign Data Project (MGM Resorts)

Las Vegas, NV (Remote)

Data Engineer

Oct 2020 – Present

- Developed Data Management ETL workflows used for targeting, segmenting, campaign execution, and performing A/B testing on offer engine to customers based on different marketing channels.
- Design, build, deploy, and monitor campaigns leveraging Adobe Campaign Standard Application. Developed Selenium Automation script in Java and Python for Adobe Campaign to enhance features for MGM Resorts.

Publicis Sapient | North America Distribution Marketing Project (Capital Group)

Irvine, CA (Remote)

Data Engineer

June 2020 – Sept 2020

- Utilized PySpark and Python to read parquet files to export data from Azure Data Warehouse to Data Lake Store.
- Involved in converting SQL queries into Spark transformation using PySpark for partitioning data in the script. Developed standardized PowerShell and Jil scripts for batch process jobs using AutoSys scheduler.

Publicis Sapient | Japan Data Analytics (McDonalds & Google)

Chicago, IL

Data Engineer

June 2019 – Jan 2020

- Develop Python scripts integrating Google Cloud Storage to extract Machine Learning output from BigQuery to the output bucket. Modify transformation ETL code to fix data quality wherever required by the data science team.
- Build ETL pipeline scripts using python apache beam Cloud Dataflow to transform data from Google Cloud Storage to BigQuery for inputs to machine learning models. Automation of ETL job to transfer inbound and outbound data between Microsoft Azure Blob storage and GCP Cloud Storage bucket.