

Nikita Pardeshi

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EDUCATION

- **Georgetown University- The Graduate School of Arts and Sciences** Washington, DC
Master of Science in Data Science and Analytics; GPA: 3.78/4.0 August 2021 - May 2023

Coursework: Introduction to Data Science and Analytics, Statistics and Probability, Optimization, Big Data and Cloud Computing, Statistical Inference, Advanced Data Visualization, NLP, Neural Networks and Deep Learning, Money Banking and Financial Markets, Blockchain Technologies

SKILLS SUMMARY

- **Languages:** Python, R, HTML, JavaScript, SQL, Bash, Ruby
- **Frameworks:** CHEF Automation, NLTK, SpaCy, Gensim, TensorFlow, Keras, Django, Flask, Apache Spark, Spark SQL, Hadoop MapReduce, HiveQL, AutoML, Scipy, Multiprocessing, InterpretML, LIME, Shapley
- **Tools:** SAP BusinessObjects, Docker, GIT, PostgreSQL, MySQL, SQLite, Tableau, Microsoft Looker, Power BI, Atlassian- Jira, Confluence, UiPath, Automation Anywhere
- **Platforms:** Linux, Windows, AWS- EC2, Lambda, S3, Cloud9, Sagemaker, EMR, Hadoop User Experience (HUE), Kinesis, Kafka, GCP BigQuery

EXPERIENCE

- **Barclays** Whippany, NJ
Data Analyst June 2023- Present
 - Developing extensive automated data pipelines in Python with REST API integration through a Flask frontend, employing HTML and JavaScript for authentication, data extraction, ingestion, and cleaning processes. These scripts, accessible to both developers and team members, led to a substantial decrease - around 60% - in time and day-to-day efforts.
 - Constructed comprehensive Tableau dashboards to analyze user and stakeholder interaction data, aiding in informed business decision-making.
 - Collaborated with various teams and individual business users to comprehend data requirements, subsequently developing customized automation scripts in Python.
 - Implemented automation for software and package installation (LINUX) on AWS using CHEF automation. Collaborated with seasoned CHEF developers to integrate compliance and security policies.
 - Experience in working with and comprehending the SAP BusinessObjects workflow, databases, security measures, universes, connections, etc. Developed automated Python scripts tailored for data collection, cleaning, and analysis, primarily concentrating on user, report level data and monitoring of services in a cluster of nodes.
 - Actively involved in Machine Learning sessions in the bank.
- **Northwestern University** Remote
Data Management Assistant January 2023 - May 2023
 - Collaborated with the data research team to extract, clean, and store Chicago crime data, utilizing Python and GCP BigQuery SQL.
 - Collaborated on the development and evaluation of data dashboards using Microsoft Looker.
 - Took charge of designing comprehensive dashboard mockups and developed a web-based dashboard from scratch using Plotly DASH.
- **Ready Tensor, Inc.** San Diego, CA
Machine Learning Engineer Intern June 2022 - August 2022
 - Implemented machine learning algorithms, including AdaBoost, XGBoost, Elasticnet, Random Forest, Stochastic Gradient Descent, SVM, ARIMA, SARIMA, and Exponential Smoothing, using both Python and R. Conducted hyperparameter tuning to optimize model performance.
 - Enabled model interpretability and explainability for users by incorporating features such as InterpretML, LIME, and SHapley in Python.
 - Developed Docker images to facilitate real-time training and testing of models across various platforms and operating systems. Successfully deployed models on AWS using SageMaker, Lambda, and EC2.
- **SkyQuest Technology Group** Remote
Data Science Executive January 2021 - July 2021
 - Contributed to the research and development of a dashboard for Reckitt, involving tasks such as data collection, establishing APIs using Flask and Django, database design and management, and optimizing BERT models for News Analytics (NLP) with an accuracy rate of 85%.
 - Automated the collection, indexing, searching, summarization, text analytics, and visualization of Company Earnings Call transcripts. Took the lead in managing a team of 10 data science interns.
- **SkyQuest Technology Group** Remote
Data Analyst Intern May 2020 - December 2020
 - Created web applications using Django and Python, and implemented an automated data collection bot using Selenium and Scrapy.
 - Gathered macro and microeconomic indicators, conducted patent data analysis, and performed network analytics in Power BI.