

# Nikita Pardeshi

Portfolio: <http://nikita-pardeshi.netlify.app>

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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: 3.83/4.0 August 2021 - May 2023  
Awarded Returning Student Scholarship based on submission  
*Relevant Coursework: Introduction to Data Science and Analytics, Statistics and Probability, Optimization, Big Data and Cloud Computing, Statistical Inference, Advanced Data Visualization, Natural Language Processing, Neural Networks*

## SKILLS SUMMARY

- Languages:** Python, R, HTML, JavaScript, SQL, Bash
- Frameworks:** Scikit, NLTK, SpaCy, TensorFlow, Keras, Django, Flask, Apache Spark, Spark SQL, Hadoop MapReduce, HiveQL, AutoML, Scipy, Multiprocessing, InterpretML
- Tools:** Docker, GIT, PostgreSQL, MySQL, SQLite, Tableau, Power BI, Atlassian- Jira, Confluence
- Platforms:** Linux, Windows, AWS- EC2, Lambda, S3, Cloud9, Sagemaker, EMR, Hadoop User Experience (HUE)

## EXPERIENCE

- Ready Tensor Inc.** San Diego, CA  
Machine Learning Engineer Intern June 2022 - August 2022
  - Developed ML algorithms- AdaBoost, XGBoost, Elasticnet, Random Forest, Stochastic Gradient Descent, SVM, ARIMA, SARIMA, Exponential Smoothing in Python and R. Apply Hyperparameter tuning.
  - Provide users with Model interpretability and explainability features using InterpretML in Python.
  - Created docker images for training and testing the models in real time on different platforms and OS. Deployed models on AWS using SageMaker, Lambda and EC2.
- SkyQuest Technology Group** Remote  
Data Science Executive January 2021 - July 2021
  - Collaborated on RD dashboard for Reckitt – data collection, creating APIs in Flask and Django, database design and management, custom BERT models for automated categorization with a focus on News Analytics (NLP) having an accuracy of 85%.
  - Hands on experience with Atlassian Jira and Confluence for Agile Project Management.
  - Automated Company Earnings Call transcript's collection, indexing and searching, summarization, text analytics and visualization. Lead a team of 10 data science interns.
- SkyQuest Technology Group** Remote  
Data Analyst Intern May 2020 - December 2020
  - Developed web applications in Django and Python, Automated Data Collection bot using Selenium and Scrapy.
  - Collected macro and micro economic indicators, Patent data Analysis, Network Analytics in Power BI.

## PROJECTS

- Gender Disparity in Workplace** (January 2022 - May 2022) Interactive, Data-driven Visual Narrative showcasing the different findings and corresponding reasons for gender disparity across different fields. Unique element: The project targets laws and regulations across countries and impact in the workforce along with analyzing social media tweets and news. Tech: Python- Plotly, NLTK, NewsAPI, Altair; JavaScript, HTML, CSS, R.
- CryptoCurrency Subreddit Analysis- Big Data Project** (January 2022 - May 2022) Collected 7M+ subreddit comment and post data, analyzed and forecasted Cryptocurrency prices based on activity in Subreddit using Apache Spark and Spark SQL in Python and AWS cloud. Tech: Python, Apache Spark, Spark SQL, Hadoop User Experience (HUE), AWS, NLP, Plotly
- Financial Statement Analysis** (August 2020 - December 2020) Gathered company specific income statement, balance sheet and cash flows through Yahoo Finance API, performed horizontal (trend) and vertical (Y-O-Y) analysis of financial statements and generated a final report in Python. Created frontend interface using Django. Tech: Python, APIs, Django, Plotly.
- Johnson&Johnson Quarterly Earnings Prediction in R (SARIMA model)** (March 2020) Understand trend and seasonality and fitting SARIMA model to forecast JJ share price in R. Tech: R.

## PUBLICATIONS

- Machine Learning/ Deep Learning Based Recommendation System** IJRET (April 2020)
- An Empirical Study of Support Vector Machine and Naïve Bayes Classifier using Python And R** IJRET (April 2020)

## EXTRACURRICULAR

- Student Ambassador** Georgetown University  
Managed administrative work and organized events for Graduate Students. August 2021 - Present
- Teaching Assistant** Georgetown University  
Blockchain Technologies January 2022 - May 2022
- Teaching Assistant** Georgetown University  
Machine Learning Application Deployment, Advanced Math and Stat Computing August 2021 - December 2021