# Nikita F. Amin

**Data Analyst**
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Scientifically-minded and academically trained data analyst utilizing my biological research background to bring a unique and rigorously thorough perspective to the world of data-driven decision-making

## SKILLS

- **Technical:** Data Analysis | Data Visualization | Data Cleaning | Web Scraping | Pivot Tables | Data Modeling | Data Wrangling | Big Data Utilization | Linear Regression | Machine Learning | Statistical Modeling
- **Scientific and Laboratory:** Clinical Research | Data Collection | Scientific Writing | Research Design | Biomedical and Biological Sciences | Health Communication | Clinical Data Analysis
- **Programming Languages and Software:** JavaScript | R (programming language) | Python | SQL | Tableau | PostgreSQL | pgAdmin | Power BI | Microsoft 365 | Excel | PowerPoint
- **Python Libraries/Tools:** Pandas | NumPy | Matplotlib | Seaborn | Beautiful Soup | Plotly | Jupyter

## EDUCATION

**General Assembly** | **Data Analytics Immersive** | December 2023
**University of Virginia** | **Bachelor of Arts** | **Biology, English** | Charlottesville, Virginia; May 2023

## EXPERIENCE

**GENERAL ASSEMBLY** | September 2023 - December 2023
**Data Analytics Immersive**

- Successfully completed 12 weeks (400+ hours) of expert led instruction in professional data cleaning, analysis, and predictive modeling techniques across multiple platforms
- Mastered skills including data cleaning, data visualization, SQL, Python, regression models, classification models, web-scraping, APIs, and statistics through labs, projects, and in-class work
- Completed five in-depth projects using real-world data and techniques/programs including Excel, SQL/pgAdmin, Tableau, PowerBI, and Python in order to synthesize in-class learning

## DATA ANALYST PROJECTS

**Predicting Parkinson's Disease Progression**

- Formulated and performed an independent capstone analysis of Parkinson's disease clinical records and protein expression data in order to predict and better understand disease dynamics and progression of symptoms over time
- Performed a Python-drive analysis utilizing Pandas, gaining a comprehensive understanding of the data in order to better understand the disease dynamics and contribute to the advancement of precision medicine
- Utilized advanced machine learning algorithms, fine-tuned model parameters and conducted cross-validation to optimize performance and minimize generalization

**United Kingdom's Gender Pay Gap**

- Completed an exploratory analysis through SQL of the gender wage gap in the U.K. utilizing data from over 10,000 companies pertaining to the difference in hourly compensation between male and female employees
- Presented quantifying metrics measuring the wage gap and possible contributing factors with visualizations made in Tableau, providing a foundation for understanding and addressing the gender pay gap in the United Kingdom

**Keys to Kickstarter Success**

- Cleaned, transformed, and analyzed 46,000 rows of web-scraped Kickstarter campaign data utilizing Excel
- Identified key characteristics linked to a successful fundraising campaign, formulated data-driven, strategic recommendations of best practices with the support of statistical analyses and Power BI crafted data visualization

**ADHD Symptom Alleviation Using Magnesium Supplementation** | September 2017 - May 2019

- Designed, collected, and analyzed over 900 data points in order to determine effectiveness of magnesium supplementation in *Drosophila melanogaster* with induced ADHD
- Found statistically significant evidence of symptom alleviation in ADHD, providing an alternative to Adderall
- Earned 1$^{st}$ place (2019) and 2$^{nd}$ place (2018) in category at Loudoun County Regional Science and Engineering Fair