**Abhishek kumar sinha**

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**EDUCATION**

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| **Northeastern University** | Boston, USA |
| Master of Science (MS) in Data Analytics Engineering [GPA: 3.9] | Expected May 2025 |



Relevant Courses: Foundation of Data Analytics, Data Management for Analytics, Data Mining, Algorithms

**National Institute of Technology Warangal** Warangal, India

Bachelor of Technology (B. Tech) in Mechanical Engineering [GPA: 3.2] May 2021

Relevant Courses: Problem solving and computer programming, Integral calculus and Numerical method, Statistics

**SKILLS**

* *Statistical and Analytical tools***:** Python, SQL, MongoDB, R
* *Machine Learning*: Random Forest, KNN, SVM, Decision Tree, Linear and Logistic Regression, K-means clustering
* *Visualization tools*: Tableau, PowerBI, Microsoft Excel
* *Statistics*: ARIMA, BSTS, LSTM, Hypothesis testing, Financial Forecasting, Covariance, and correlation
* *Soft Skills*: Communication, Presentation, Problem solving, Time management, Initiative, Teamwork, Planning



**PROFESSIONAL EXPERIENCE**

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| **Northeastern University** | Boston, USA | |
| Financial Analyst | Dec 2023 - Present | |



* Conducted detailed data analysis using Excel, Tableau and Python, providing valuable insights for informed decision-making in the finance department and managed financial data entry, ensuring accuracy and compliance.

**Ganit Inc** Chennai, India

Senior Data Analyst Aug 2021 - Jul 2023

* Led a team of 4 data analyst and developed a financial forecasting machine learning model tailored for a prominent global CPG client which helped their sales team to set target accurately by 11%
* Created an advance machine learning-powered demand forecasting model, operating at the utmost granularity (store-sku) level for over 20 thousand combinations and boosted the accuracy by 15% and reduces SKU wastage
* Streamlined financial reporting processes, reducing reporting time by 65% and increasing accuracy.
* Conducted a robust analysis of critical key performance indicators (KPIs) such as Return on Investment(ROI), Retail Price Index(RPI), cannibalization, and competitor performance using statistical models in R



* Developed 8 Tableau Dashboards for EDA and project forecasted results, enhancing the efficiency of decision-making

**ACADEMIC PROJECTS**

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**International Employee Immigration Management Data [**[**Link**](https://github.com/Abhisheksinha1830/International-Employee-Immigration-Data-Management)**]** Sep 2023 – Nov 2023

*Technology stack: Pandas, NumPy, SQL, Excel, Tableau, Python*

* Developed extensive Entity-Relationship (EER) and Unified Modeling Language (UML) diagrams, translating the conceptual model into a relational model with MySQL
* Leveraged Python and MongoDB for seamless integration with the database, unlocking analytics capabilities

**Customer Segmentation using RFM Analysis [**[**Link**](https://github.com/Abhisheksinha1830/Customer-Segmentation-using-RFM-Analysis)**]** Sep 2023 – Nov 2023

*Technology stack: Pandas, NumPy, scikit-learn, K-Means, Random Forest, Tableau, Excel, Python*

* Conducted comprehensive data preprocessing, ensuring dataset readiness by addressing missing values and cleaning.
* Employed RFM metrics for customer segmentation, generating actionable insights for targeted marketing.
* Utilized K-Means clustering and compelling visualizations to effectively group customers

**Analysis of University Query Database [**[**Link**](https://public.tableau.com/app/profile/abhishek.sinha2708/viz/AnalysisoftheUniversityqueryDatabase/Story1)**]** Nov 2023 – Dec 2023

*Technology stack: Pandas, NumPy, Tableau, Excel, Python*

* Analyzed a university query database to optimize performance and enhance data management efficiency.
* Conducted data cleaning and wrangling using Python, delivering the final insights through a Tableau dashboard