

Abhishek kumar sinha

Boston, MA 02134 | +1(857)-961-6419 | sinha.ab@northeastern.edu | [LinkedIn](#) | [GitHub](#) | [Portfolio](#)

EDUCATION

Northeastern University

Master of Science (MS) in Data Analytics Engineering

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

Boston, USA

May 2025

GPA: 3.8

National Institute of Technology Warangal

Bachelor of Technology (B.Tech) in Mechanical Engineering

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

Warangal, India

May 2021

SKILLS

- **Programming:** Python, MySQL, NoSQL, MongoDB, R
- **Libraries:** Pandas, NumPy, Scikit-Learn, PyTorch, TensorFlow, Plotly, Seaborn, Matplotlib, Keras, SpaCy
- **Statistics:** Time-series Analysis, Hypothesis testing, Financial Forecasting, Covariance and correlation modelling
- **Visualization tools:** Tableau, Microsoft Power BI, Microsoft Excel, Google Sheets, Google Analytics
- **Core Skills:** Data Analysis, Data Visualization, Statistically Analysis, Machine Learning, Data mining
- **Soft skills:** Communication, Problem Solving, Time Management, Initiative, Teamwork, Adaptability

PROFESSIONAL EXPERIENCE

Ganit Inc

Senior Data Analyst

Chennai, India

Aug 2021 - Jul 2023

- 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
- This model empowered area sales managers within a leading Indian CPG client, enabling them to establish precise targets
- Modified a rule-based model to detect Fraud transaction for a leading Indian BFSI company which increased their fraud detection capabilities and reduce the team effort by **60%**
- Conducted a robust analysis of critical key performance indicators (KPIs) such as ROI, RPI, cannibalization, and competitor performance using Machine learning models in R
- The insights helped in decision-making and demonstrated strong problem-solving and communication skills
- Created Tableau Dashboards, which significantly facilitated optimal decision-making.

ACADEMIC PROJECTS

Transforming Music Discovery with Genre Prediction (Northeastern University)

Oct 2023 – Nov 2023

Technology stack: Pandas, NumPy, scikit-learn, keras, XG Boost, Logistic Regression, Random Forest, CNNs, RNNs

- Utilized a rich dataset containing song attributes, including track names, album names, artist names, release dates, and an extensive set of audio features and explored, preprocessed, and cleaned the dataset
- Experimented with various models, including convolutional neural networks (CNNs) and recurrent neural networks (RNNs) for audio analysis, achieving an average F1-score of 0.65 and above

International Employee Immigration Data Management (Northeastern University)

Sep 2023 – Nov 2023

Technology stack: Microsoft Excel, Tableau, PowerBI, SQL, Python, NoSQL, MongoDB

- Built EER and UML diagrams to visualize relationships between various entities
- Implemented databases in SQL and No SQL database and analyzed data by integrating with Python and Tableau

Stroke risk prediction [[Link](#)]

Aug 2023 – Sep 2023

Technology stack: Pandas, NumPy, scikit-learn, XG Boost, SVM, Logistic Regression, Random Forest, Decision Tree

- Collected and performed EDA on relevant raw health data and identified the correlation between variables to enhance the predictive power of the model
- Performed Feature engineering using RFE and test multiple machine learning models but SVM outperform other models and achieved a 95% testing set accuracy