

# NAGAPRIYATHAM PINDI

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## EDUCATION

### Northeastern University, Boston, Massachusetts

Expected May 2025

Master of Science in Information Systems

**Relevant Courses:** Application Engineering and Development, Data Management and Database Design, Data Science Engineering Methods and Tools, Designing Advanced Data Architectures for Business Intelligence.

### CMR College of Engineering and Technology, Hyderabad, India

June 2022

Bachelor of Technology in Computer Science and Engineering.

**Relevant Courses:** Data Visualization, Data Science, Data structures, Deep Learning, Image Processing, OOPS, Artificial Intelligence, Computer Networks, Design Patterns.

## SKILLS

**Programming:** Python, SQL, C++, C

**Databases:** MySQL, Oracle DB, MongoDB, SQL Server

**Tools:** Tableau, Power BI, Power Automate, Kubernetes, Snowflake, Microsoft Excel (Advanced), MATLAB, Git, Docker, Azure, Talend

**Python Libraries:** Scikit-Learn, NumPy, Pandas, SciPy, Seaborn, Matplotlib, TensorFlow, Keras

**Methodology:** Regressions (Robust, Lasso, Ridge, Logistic), Classifications (SVM, Decision Trees, Random Forest), Clustering (K-Means, Hierarchical)

## WORK EXPERIENCE

### Associate Engineer (Data Analysis)- OPENTEXT, Bangalore, India

November 2021 –July 2023

- Enhanced data processing efficiency by 15% and reduced error rates by 30% by automating data analysis protocols using Python, which streamlined workflows and improved output accuracy.
- Developed automated tools with Advanced Excel, Pandas and Tableau, increasing process efficiency by 40% through real-time data visualization and performance monitoring, significantly minimizing manual interventions.
- Optimized ETL workflows with Apache Airflow and SQL, reducing data retrieval times by 25% and improving responsiveness for quicker business decision-making.

### Data Science Intern - SSB Cashew Industries, Odisha, India

January 2020 - June 2020

- Utilized SARIMA and LSTM models to forecast cashew sales, effectively reducing inventory costs by 19% and enhancing supply chain efficiency.
- Increased revenue by 22% through customer clustering with K-Means, enhancing targeted marketing.
- Enhanced product quality and customer satisfaction by 30% through sentiment analysis of customer reviews using natural language processing (NLP), while maintaining strict adherence to data privacy and security protocols.

## PROJECTS

### New York Airbnb Price Analysis | Power BI, EDA | Northeastern University

- Developed Interactive dashboards to analyze and visualize over 50,000 price listings and extracted the key trends and insights that resulted in 15% more engagement and understanding of the data
- Conducted regression analysis to identify key factors influencing Airbnb pricing, such as neighborhood, no. of bedrooms.
- Highlighted significant pricing drivers through detailed data insights, enhancing strategic decision-making for adjustments.

### Motor Vehicle Collision Analysis | Talend, SQL, Tableau, Power BI | Northeastern University

- Developed a robust data architecture and ETL workflows using Talend and Alteryx and Power Automate to integrate and analyze collision data from New York, Chicago, and Austin, improving data accessibility and reliability.
- Engineered and maintained a dimensional data model, enabling dynamic slicing of data.
- Created interactive dashboards with Tableau and Power BI, visualizing critical metrics that identified accident hotspots and high-risk periods, aiding in preventative measures and safety improvements.

### Exploring Flight Delays and Cancellations | Tableau, EDA | Northeastern University

- Analysed data from different datasets from over 100,000 flights to uncover trends in delay and cancellation patterns.
- Developed over 20 visualizations to analyse and present insights on delays and cancellations.
- Utilized parameters in visualizations to allow users to customize views and better understand the impact of various factors.

### DNA Classification | Python, ML | Northeastern University

- Extracted DNA dataset from UCI repository, conducted pre-processing, and feature extraction.
- Developed machine learning algorithms (Naïve Bayes, SVM, Neural Networks, KNN, Random Forest, Decision Tree) and evaluated their performance using accuracy and classification report.
- Conducted comparative analysis and assessed the superior model using metrics.

### Boston Transportation System | MySQL | Northeastern University

- Developed a relational database for Boston Transportation, optimizing data structures for efficient query processing.
- Implemented security protocols and real-time data features, ensuring transactional integrity and user-specific access.
- Crafted data analytics tools to identify trends and inform decisions on ridership and service enhancements.

## ACHIEVEMENTS / LEADERSHIP SKILLS

- Awarded 'Employee of the Month' for outstanding contributions to a data optimization project that saved \$50,000 annually.
- Mentored data analyst interns, providing training on data analysis tools and techniques, improved their performance by 25%.
- Member of Northeastern University's Data Science Club, where I coordinated study groups and mentoring sessions.