

## EDUCATION

**New York Institute of Technology**

08/2019 – 12/2022

Bachelor of Science in **Computer Science**, CGPA: 3.6

- **6 times Dean's award winner** (Among the top **5%** students of the institute)
- **2 times President's award winner** (Among the top **1%** students of the institute)
- **Positions held:** Student Ambassador, Peer Mentor, Secretary of Society of Women Engineers
- **Relevant Coursework:** Programming Languages, Data Structures & Algorithms, Data Mining, Probability & Statistics, Database Management, Network and Internet Security, Distributed Database System, Big Data Management & Analytics

## WORK EXPERIENCE

**Lead STEM Teacher, Success Academy Charter Schools**

07/2023 - Present

- Elevated student engagement by **70%** through the implementation of **Active Learning** techniques in class.
- Got recognized for **leadership excellence** and got **promoted** to Lead role from Associate in the second week.
- Consistently keeping the school district in **Top 3** across the network
- Using real time data , I performed **Data Analysis** using **Microsoft Excel** to **measure correlation** between student **focus** in class and student **academic progress**. Employed assessment strategies utilizing data-driven insights to identify and help students with poor attention. On average, the GPA of those identified students increased by **46%**.

**Programming Instructor, Fusion Education**

08/2022 – 07/2023

- Adapted and simplified programming concepts to make them accessible and engaging for middle school and high school students, resulting in **20%** increased engagement among students
- Developed structured programming courses specifically designed for tech enthusiasts, focusing on foundational concepts in languages like **Scratch, Python, Java and HTML**, resulting in **12%** improvement in exam scores

**Business Intelligence Development Intern, Foodpanda**

05/2021 – 09/2021

- Analyzed and processed extensive datasets totaling **9 GB** to identify and flag inactive vendors, resulting in a cost savings of approximately **\$13,000** on vendor expenses through efficient resource allocation
- Uncovered profitable patterns and optimal pricing strategies for combo meals and food items, leading to **6.7%** increase in sales revenue
- Built a **Tableau Dashboard** to visualize the core vendor KPIs, saving **15 hours per week** of manual reporting work

## NOTABLE PROJECTS

**GE Data Analytics Virtual Experience Program (Data Engineering, Data Visualization)**

- Conducted comprehensive analysis of authentic flight data, critical engine operation information and manufacturing data
- Employed data wrangling and manipulation techniques to extract and integrate **Airline Engine Data**, facilitating streamlined analysis and insights into engine performance
- Developed visually impactful **Tableau dashboard**, showcasing the KPI of engine parts and **geographically mapping** destination spots, enabling informed decision-making and enhanced operational efficiency

**Chicago Crime Classification (Data Science, Machine Learning)**

- Conducted an in-depth analysis of the crimes in Chicago to uncover key patterns, trends, and insights
- Classified the crimes into domestic and non-domestic categories utilizing **SVM, KNN**, and **Random Forest** algorithms with an accuracy score of **89.33%**

**Personal Website (Web Development, UX/UI)**

- Successfully implemented **HTML, CSS, JavaScript** to make the website **fully responsive** across all platforms.
- Designed each page with clear Call to Action prompts for efficient user experience.
- Hosting an immersive up-to-date portfolio with all projects and interests with the help version control of Github and Git Pages

## SKILLS

**Technologies :** Python (NumPy, Pandas, Scikit Learn), R, SQL, Java, MS Excel, MS Power BI, Tableau, Hadoop, MATLAB, HTML, CSS, PHP, React, Node.js , GitHub

**Concepts :** Classification, Clustering, Regression, Regularization, Overfitting, Bias-Variance tradeoff, Change detection, Gradient descent, Random Forest, Bagging, Boosting, Machine Learning, Computer Vision