

SALSABIL ASHRAF

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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

Fusion Education

08/2022 – Present

Programming Instructor

- Adapted and simplified programming concepts to make them accessible and engaging for middle school students, using age-appropriate examples and interactive learning activities, resulting in 20% increased engagement among students
- Developed structured programming courses specifically designed for data enthusiasts, focusing on foundational concepts in languages like Scratch, Python, R, JavaScript, and SQL, resulting in 12% improvement in exam scores
- Fostered a collaborative and inclusive learning environment where students feel comfortable asking questions, sharing ideas, and working together on coding challenges and projects, resulting in 8% higher participation and positive feedback

Foodpanda

05/2021 – 09/2021

Business Intelligence Development Intern

- 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 TECHNICAL 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%

[Hotel Website Development \(Web Development, UX/UI, SDLC\)](#)

- Collaborated with 3 team members to develop a dynamic hotel website leveraging SCRUM and Agile methodologies
- Developed an intuitive and visually appealing user interface that enhanced the website's user experience
- Contributed to back-end development by designing and implementing a streamlined database system to efficiently store and manage customer information, ensuring seamless data retrieval and management processes

ADDITIONAL INFORMATION

- **Technologies:** Python (NumPy, Pandas, Scikit Learn), R, SQL, Java, MS Excel, MS Power BI, Tableau, Hadoop, MATLAB, HTML, CSS, PHP, React, Node.js
- **Data Analytics Concepts:** Classification, Clustering, Regression, Regularization, Overfitting, Bias-Variance tradeoff, Change detection, Gradient descent, Random Forest, Bagging, Boosting, Machine Learning, Computer Vision