

## Applied Data Science Portfolio Overview

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### ◆ Table of Contents

- 1. Airbnb Fraud Detection**  
*Clustering techniques to identify fraudulent listings on Airbnb using Python.*
  - 2. Citi Bike NYC Trip Analysis**  
*Visualization and pattern detection in NYC bike usage under varying conditions.*
  - 3. eSC Energy Consumption**  
*Analysis of household electricity usage patterns using R.*
  - 4. Event Management Database System**  
*Design and implementation of an SQL database for event registration.*
  - 5. Data Science Salary Insights**  
*Exploratory analysis and visualization of salary trends in the data science field.*
  - 6. Tableau Business Dashboard**  
*Interactive dashboard creation to track business performance metrics.*
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### ◆ Description

This overview summarizes the key contents of my portfolio for the M.S. in Applied Data Science at Syracuse University. Each project was selected to highlight my growth in technical tools, critical thinking, and ethical practice in data science. Throughout this program, I developed skills in Python, R, SQL, and Tableau and worked on problems ranging from fraud detection to clean energy analysis. I collaborated with teammates in most of these projects and focused on how to turn data into insight and action. This portfolio is submitted as part of the final milestone to demonstrate my readiness for real-world data science roles.