

**Nabeel Bacchus, M.S.**  
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### **SUMMARY OF QUALIFICATIONS**

- A skilled Data Scientist capable of extracting actionable insights from sparse or complex datasets
- Trained in leadership, communication and interpersonal skills and works well under pressure with teammates
- Capable of learning complex concepts quickly and training others using elementary terminology
- Develop programs and models that solve complex problems with limited resources
- Eligible to work in US and willing to travel

### **AREAS OF EXPERTISE**

- Machine Learning
- Deep Learning
- Data Visualization
- Big Data Analytics

### **PROFESSIONAL EXPERIENCE**

**Teaching Assistant, University of Houston**  
**Computer Science Department**  
**Houston, TX , USA**  
**2019 - 2021**

- Teaching Assistant for COSC 1306 (Computer Science and Programming), COSC 1430 (Introduction to Programming), and COSC 3380 (Database Systems)
- Developed assignments to reinforce concepts:
  - Text-based game using object-oriented programming
  - DBMS for keeping track of books in a library
- Research Projects:
  - Developed committee-based, multiple object tracking model using DeepSORT and FairMOT for human tracking
  - Developed machine learning models for predicting sales of video games in different regions
  - Developed Classification models using AWS and Google Cloud for predicting rain in Australia
  - Developed data visualization of anomaly detection from novel traffic light data

### **EDUCATION**

**MSc** Computer Science, University of Houston, USA, 2022  
*Research Area: Machine Learning and Data Analytics*  
**BSc** Computer Science, University of Houston, USA, 2021  
*Research Area: Machine Learning and Data Mining*

### **PUBLICATIONS AND PRESENTATIONS**

- “Using Data Science Algorithms to Enhance Student Group Performance”  
ICERI, November 2019

### **CERTIFICATIONS**

**Google Data Analytics Specialization**  
Coursera. Issued Jan 2023

## **IT PROFICIENCY**

- **Programming/scripting Skills:** Python, SQL, C++, Java
- **DBMS:** MySql, SQL Server, Vertica
- **Data Analysis:** R, Microsoft Excel
- **Data Visualization:** VTK, PowerBI, Tableau

## **HONORS AND AWARDS**

- Eagle Scout
- National Youth Leadership Training
- Tutor at Kumon Math and Reading Center, 2014 - 2018
- Dean's List by University of Houston, 2017 - 2019