

# RIAD MOHAMMED

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## EDUCATION

### FLORIDA INSTITUTE OF TECHNOLOGY

Melbourne, Florida

Bachelor of Science

May 2023

Major in Computer Science; Minor in Philosophy

Cumulative GPA: 3.93/4.0; Dean's List 2019-2023; Outstanding Student of the Year 2023

Relevant Coursework: Data Analysis, Database, Machine Learning, Algorithms, Big Data, Probability and Statistics, Economics

## WORK EXPERIENCE

### FLORIDA INSTITUTE OF TECHNOLOGY

Melbourne, Florida

Project Developer and Research Assistant

Jan 2023 – May 2023

- Collaborated with PhD professors to develop an innovative code-to-requirements conversion model that streamlined the process, enabling users to go straight from code to requirements, which makes it stand out in the field.

Faculty Supervisor

Oct 2021 – May 2023

- Successfully managed and collaborated with a diverse team of 50 individuals, resulting in a 20% increase in productivity and a 15% improvement in employee satisfaction.
- Interacted with hundreds of customers daily, maintaining a 95% customer satisfaction rate and increasing revenue by 110% through upselling techniques.

### SWISSPORT INTERNATIONAL LTD

Piarco, Trinidad

Data Entry Clerk

Jul 2016 – Aug 2016

- As a data entry clerical assistant at Swissport International, a 2.8-billion-dollar shipping cargo company, I gained hands-on experience in data management, which cultivated a deep appreciation for the importance of data and sparked my interest in the field.

## RELEVANT UNIVERSITY PROJECTS

### DATA SCIENCE PROJECT ON NYC PARKING CITATION

Sep 2022

- Utilized data science tools and techniques including Python, Pandas, Dask, Saturn Cloud, and AWS S3 buckets to conduct a comprehensive data processing workflow on 100 million rows of NYC parking citation data from 2014 to 2022.
- Cleaned and prepared data, conducted in-depth analysis including hypothesis testing, and identified meaningful patterns and insights such as parking tickets increase in the summertime due to higher temperatures and more driving.

### MACHINE LEARNING FIFA WORLD CUP PREDICTION

May 2022

- Developed and implemented an unique data science methodologies, including big data analysis, machine learning algorithms, and predictive modeling techniques, to forecast the outcome of the highly anticipated 2022 FIFA World Cup.

### FULL STACK APP

Nov 2021

- Developed a full-stack MERN app featuring user registration, movie data interaction, a recipe finder with over 172,000 options and a dog breed finder using Dog API and JSON, showcasing expertise in web forms (CSS, JavaScript, HTML, React), MongoDB, and API integration.

## ADDITIONAL

**Technical Skills:** Programming skills: Python, R, C, C++, Java, HTML, CSS, JavaScript, SQL, NoSQL. Direct experience handling scripting languages such as CSV, JSON. Data visualization: creating effective charts, graphs, and interactive dashboards using tools such as Matplotlib, Seaborn, Plotly. Big Data technologies: Hadoop, Spark, Cloud computing platform: AWS, and services like DynamoDB, EC2 and S3, and Software: experience in utilizing agile methodologies in combination with advanced tools such as Visual Studio Code, IntelliJ, Anaconda, Jupiter Notebook, Jira, Saturn Cloud, React, and GitHub.