

Shyam Parmar

shyamparmar@usf.edu | +1 (971) 258-4911 | Tampa, FL | [LinkedIn](#) | [GitHub](#) | [Website Portfolio](#)

EDUCATION

Master of Science: Business Analytics and Information Systems (Analytics and Business Intelligence) Aug 2021 – Expected 2023
University of South Florida | Tampa, FL

Bachelor of Science: Business Analytics and Information Systems (Cyber-Security) Aug 2018 – Jul 2021
University of South Florida | Tampa, FL | GPA: 3.6

Google Data Analytics | Specialization Certificate Jul 2021

TECHNICAL SKILLS

- Python | R | SQL | HTML | CSS | JavaScript
- Hadoop | Apache Spark | Flask
- Tableau | Power BI (Data Visualization Tools)
- Microsoft Office (Excel, Word, PowerPoint, Project, Visio)

EXPERIENCE

Data Analyst Jan 2022 – Current
University of South Florida – Athletics Tampa, FL

- Automated sales and revenue reporting processes using Python and Power BI dashboards, boosting productivity and efficiency by 75% for 8 ticketed sports.
- Created predictive analysis models for 8 ticketed sports teams to forecast fan attendance, ticket sales, and revenue using Python, resulting in a \$2 Million increase in revenue.
- Conducted statistical analysis using R to determine the impact of variables on fan attendance, presenting insights to the sporting administration, resulting in a 3% increase in attendance.

Data Analytics Intern Jan 2022 – May 2022
Publix Super Markets Lakeland, FL

- Developed a highly effective recommender system using a supervised predictive model in Python, resulting in a 5% improvement in inventory accuracy for nearly 1,300 Publix stores, without increasing labor or time consumption.
- Leveraged complex SQL queries to extract large amounts of data (1 million+ records) Teradata for use in a predictive model and an outlier detection algorithm, resulting in increased accuracy and efficiency in inventory management.
- Presented detailed project information and results to the team, demonstrating how the project improved inventory and positively impacted the business.

Data Analyst Oct 2021 – Mar 2022
National Senior Games Association Tampa, FL

- Analyzed how COVID-19 impacted the lives of the organization's members in terms of physical activities and health based on data taken from a survey of 6000+ members nationwide using Python to write a research article.
- Utilized R to perform statistical analysis for a variety of hypotheses using Chi-Square, Logistic Regression, and ANOVA testing techniques to determine P-Values using alpha of 0.05 and conclude the hypotheses results.
- Generated reports using MS Power BI creating KPIs on members' habits, health, and impact from COVID-19 including vaccination rates and diagnosis.
- Performed predictive analysis on the number of people that might test positive to COVID-19 with a Logistic Regression model.

Data Analyst - Research Assistant Oct 2021 – Dec 2021
University of South Florida – School of Aging Studies Tampa, FL

- Leveraged Python programming language to analyze data captured from a music application of 100+ users with dementia that participated in research taken for 7 days per participant.
- Conducted pre-processing and data cleanup using Python and created a summary dataset to track variables such as listening time, number of songs, genre, artist, and daily user behavior improving data summarization and efficiency by 10%.
- Presented information by generating reports and visuals using MS Power BI; illustrating key performance indicators that help the researcher professors understand user behavior associated with the music application.

PROJECTS

COVID-19 Data Analysis and Visualization (SQL and Tableau) Jul 2021 – Aug 2021

- Retrieved a public dataset from ourworldindata.org and performed data analysis using SQL Server to get data insights on the number of cases, deaths, and vaccinations per continent and globally. Then utilized Tableau to create visualizations from the acquired results using animations and an interactive dashboard.
Link to: [SQL Query](#) and [Dashboard](#).