

# Saiteja Tammali

tejat18@umd.edu | [tejatammali.github.io](https://github.com/tejatammali) | [linkedin.com/in/tejatammali](https://www.linkedin.com/in/tejatammali) | [medium.com/@tejat](https://medium.com/@tejat) | (301)-956-0804

## EDUCATION

University of Maryland | College Park, MD

May 2022

B.S. - Information Science, Certificate in Data Science

Awards - Academic Honors, Dean's List

**Relevant Coursework:** Health Data Analytics, Data Sources & Manipulation, Database Design Modeling, DS Techniques

## SKILLS

**Languages:** Python (*Pandas, NumPy, Scikit-learn*), R, SQL, JavaScript (*ReactJS*)

**Data Visualization:** Tableau, MS-Excel(Pivot Tables, vlookups, recording macros), Google Analytics, Salesforce, Matplotlib

**Other:** Data Mining, Linear and Logistic Regression, Project Management (*Kanban, Scrum, Agile*)

## EXPERIENCE

Data Analyst Intern | U.S. Department of Veterans Affairs

May 2022 - Current

- Evaluating areas for improvement & developing recommendations on the web analytics team to lead an increase in SEO activities, positive traffic trends, & high SERP rankings, which showed an increase in traffic to blog posts of 13%
- Composed a design document and developed a set of **Python** scripts and **SQL** queries to represent API-based applications/scripts to support Tableau operations, saving over 10 hours a week of manual labor
- Utilizing **Google Analytics** to collaborate with web developers, confronting issues of irregular bounce rates of 1.19%

Data Analyst Intern | Kinetic Potential Workforce Development

January 2022 - May 2022

- Created a student retention dashboard on **Tableau** calculating the retention model, reducing student attrition by 10%.
- Built from scratch 5 expressive, dynamic dashboards to visualize trends in student performance displayed as persistence patterns presented in aggregated and disaggregated formats, showing an average improvement rate of 8%
- Spearheaded a team of 3 to pile data for cleansing with **Excel** & understanding 2000+ user data retrieved from an API
- Wrote reports to present to the stakeholders with data-driven insights & tracked KPIs on an ad-hoc & recurring basis

Front-End Developer Intern | Grassroot

May 2021 - August 2021

- Designed 3+ interactive landing pages using **Flutter** for an upcoming native app-based platform to connect individuals to political candidates
- Optimized user experience & accomplished webpage objectives by creating site structure & graphics integration, decreasing load time by 6%

## PROJECTS

Predicting Diabetes Diagnosis | R, Excel

[github.com/tejatammali/Predicting-Diabetes-Diagnosis](https://github.com/tejatammali/Predicting-Diabetes-Diagnosis)

- Produced a **logistic regression model** that describes a 1-year increase in age causes the log odds of having diabetes to increase by 0.056 units, holding the other independent variables (BMI, gender), constant
- Identified **anomalies** & computed 7 quality metrics such as values, ranges, & parameters definition, assessed adherence to data quality acceptance criteria, & liaised with researchers to improve data quality

Financial Aid Analysis | Python

[github.com/tejatammali/Financial-Aid-Analysis](https://github.com/tejatammali/Financial-Aid-Analysis)

- Scrutinized financial aid variables to highlight academic & demographic differences between students across 50 states
- Integrated **Agile** methodologies with a team of 4 to meet project deadlines, set meeting dates, & improve productivity
- Gathered & assessed research data, conducted exploratory data analysis, imputed missing data, & treated outliers using **Pandas/NumPy**, & visualized the trends & patterns in the data with **Matplotlib** graphs & charts

Guitar Store Inventory | SQL, PHP, XAMPP

[github.com/tejatammali/Guitar-Shop-Inventory](https://github.com/tejatammali/Guitar-Shop-Inventory)

- Prepared and managed a database schema containing 7 tables that support a small-scale web-enabled application
- Performed **CRUD** operations with a team of 3 associates to maintain updated records
- Utilized Joins & sub-queries to simplify complex queries involving multiple tables while optimizing procedures and triggers in production

Follower Network | Python

[github.com/tejatammali/FollowerNetwork](https://github.com/tejatammali/FollowerNetwork)

- Identified a non-obvious insight by gathering data from Twitter API & identifying centrality points using **NetworkX**
- Structured a data frame to specify the node ID & node type to integrate into NetworkX's categorical() method to apply a colormap of the network
- Coordinated a network graph using **Gephi** to visualize specific nodes factored by follower count