

Hrishikesh Mahesh Telang

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EDUCATION

Syracuse University – School of Information Studies	<i>May 2023</i>
MS – Information Systems, Certificate in Advanced Studies – Data Science	
Mumbai University – St. Francis Institute of Technology	<i>Nov 2020</i>
BE – Computer Science, General	

TECHNICAL SKILLS

Certifications: [Microsoft Office Specialist: Excel Associate \(Microsoft 365 Apps and Office 2019\)](#)

Programming Languages: Python, R, SQL, HTML, CSS, JavaScript, XML, PHP

Database Management Tools: PL/SQL, MS SQL Server, PostgreSQL, Docker, Microsoft Azure, MongoDB, MS Access, Containerization

Core Skills: Data Analysis, Forecasting and Planning, Financial Analysis, Strategy Management, Business Intelligence, Data Visualization, Statistical Analysis, Data Warehousing, Time Series Modelling

BI & Analytics Tools: Tableau, Google Analytics, PowerBI, ETL

Application Software: RStudio, Azure Data Studio, MS Excel, MS Word, MS PowerPoint

RELEVANT EXPERIENCE

Data Analyst – Student Outreach and Retention (SOaR) – Syracuse, NY *Jan 2022 – Present*

- Performed data analysis and developed key performance indicators using Tableau and R to identify student behavior and performance over the semester and formulated data-driven solutions through dashboards to increase student success rates.
- Supported systems for academic programs by analyzing the tracking dataset of 70,000 rows using MS Excel, data cleaning, data manipulation operations, and troubleshooting system errors.

Graduate Research Assistant – Syracuse University – Syracuse, NY *Jan 2022 – Present*

- Ported the STACKS API Collection Tool (Twitter and Meta APIs) from Python 2.x to Python 3.9 by leveraging the current versions of social media APIs, Python and MongoDB on containerized Ubuntu virtual servers, optimized runtime efficiency by 15%.
- Processed semantic information of tweets such as hashtags, text, and URL from log files and inserted the prominent tweet information, its date-time stamp, rate limit and delete notification into MongoDB.

Research Assistant – St. Francis Institute of Technology – Mumbai, India *Dec 2020 – Jun 2021*

- Devised a feature extraction algorithm using Python on the extended application of Bins Approach using statistical moments to evaluate a binary classification of 26,000 Malaria Parasitized and Uninfected blood smear images.
- Implemented feature selection techniques on the 96 feature vectors, procured accuracies of 97-99%, and visualized the contribution of the bins feature vectors to the entire detection and classification process using Python and MS Excel.

PROJECTS

Hotel Management System (*Azure Data Studio, MS PowerApps, MS SQL Server*) *[Project Link](#); Oct 2021 – Dec 2021*

- Developed a prototype of the hotel database system to track overall performance and maximize guest retention using MS SQL, hosted the database using Azure Data Studio, and developed the application interface using MS PowerApps.
- Implemented views, triggers, and complex join queries for hotel analysis, and improved data retrieval by 5-10%.

Hotel Industry Analysis (*R, Predictive Analysis, Linear Modeling, Machine Learning*) *[Project Link](#); Oct 2021 – Dec 2021*

- Analyzed and cleansed a large dataset of over 40,000 bookings utilizing R to give business insights and conclude optimized recommendations to increase Average Daily Rate (ADR) by approximately 35% and to reduce cancellation rates.
- Conducted statistical analysis, found patterns using exploratory data analysis and association rules mining, and obtained classification accuracies of 84.32% for Logistic Regression, 85.28% for Random Forests, and 81% for Support Vectors.

COVID-19 X-Ray Image Classification System (*Python, OpenCV, Image Processing*) *[Project Link](#); Jan 2021 – June 2021*

- Evaluated the system using a binary and multiclass classification system for 1,259 COVID-19/Normal/Viral Pneumonia X-ray images by devising a pseudo-coloring algorithm and Global Histogram Equalization function using Python.
- Extracted 96 components from the bins approach feature extraction algorithm, performed feature engineering techniques, and obtained an accuracy range of about 88% using boosting classifiers and stacking ensembles for the Lung Images.

LEADERSHIP/ACTIVITIES

University Senator – Graduate Student Organization (GSO) at Syracuse University *Oct 2021 – Present*

- 1 of 8 senators chosen to be advisories to the Chancellor, approve new curricula, oversee the diversity and inclusion committee to address minority issues of the university, and to act as grievance bodies.

Co-organizer, TEDx SFIT *Feb 2019 – Aug 2019*

- Led a committee of 30 members and curated speeches for the event, collaborated with the higher officials, managed conflict scheduling, stage and logistic planning and entire program flow of the event.