Yashasvi Singh

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EDUCATION

Syracuse University, School of Information Studies *(GPA: 3.9)*   *May 2023*
M.S. in Information Systems, Certificate of Advance Study: Data Science and Analytics
Relevant Coursework - Introduction to Data Science (R), Data Admin Concepts and Database management (SQL), Natural Language Processing (Python), Data Analysis and Decision Making (Advanced MS Excel), Project Management (MS Project).
Teaching Assistant for Information Visualization course

Medi-Caps University *(GPA: 3.9)*   *May 2021*
B Tech in Computer Science and Engineering
Relevant Coursework - Data Science, Data Mining and Warehousing, Computer Workshop (Python), Big Data Engineering, DBMS, Cloud Computing, R programming, Data Visualization.

SKILLS / CERTIFICATION

- **Programming Languages:** Python, R, SQL, Java, HTML, CSS
- **Technical skills:** MS Excel, VBA, SAS, Microsoft Azure, Tableau, MS SQL Server, MS Office, PowerApps, Agile MS Project, Docker, Power BI, Git, REST APIs, Hypothesis Testing, ANOVA, Descriptive/Predictive Analytics.
- **Machine Learning:** Sci-kit Learn, Pandas, Classification, Regression, Clustering, Neural Network, Tensorflow, Keras
- **Certification:** Certified Tableau Analyst, Certified Machine Learning Engineer Nanodegree by Microsoft
- **Soft Skills:** Strong Communication, Presentation, Problem Solving, Decision Making and Time Management skills

WORK EXPERIENCE

Data Assistant Intern, Women in Science & Engineering, Syracuse, NY   *Aug 2022 – May 2023*
- Identified valuable data sources, developed R models with 84% sensitivity for student enrolment likelihood, and created a visual analytics tool with Tableau, SQL, and R that reduced reporting time by 35%.
- Led the consolidation of multiple constituent databases into a new alumna tracking database containing over 10,000 entries, resulting in a comprehensive, searchable, and "analyze-able" resource. Optimized the database structure and designed Tableau dashboard that generates business and IT reports for the executive management.
- Identified gaps in the team's existing reporting tools suite, managing portfolio monitoring, dashboards, and testing. Trained 5 members and transitioned the team to agile framework with scrum to enhance team skill levels.

Data Analyst Intern, WISE women's business center, Syracuse, NY   *Jun 2022 - Aug 2022*
- Collaborated with manager to analyze CRM data of 25k active customers to guide program assessment, evaluation analysis and re-design strategies through Python and recommendations on Google AdWords marketing campaign.
- Developed Tableau dashboards to visualize core KPIs, streamlined internal communications using latest technology, saving 10 hours per week of manual reporting work and facilitating business operations.
- Leveraged analytical changes to program surveys, based on quantitative and qualitative analysis, that led to forecast models on R for broad and granular insights on future customer data for fund flows.

Project Management Intern, SAWO Labs, India   *Sep 2020 - Aug 2021*
- Evaluated market competitors and pricing models for the clients considering the risk management metrics.
- Developed use cases, established data requirements, and led cross-functional team of 4 analysts to analyze the data.
- Improved efficiency 25% by fast troubleshooting and liaising with stakeholders & engineering team.

PROJECTS

Sentiment Analysis on News Articles   *Apr 2022*
Technologies – Python, JSON, BeautifulSoup, Pandas, Numpy, Matplotlib, Seaborn, TextBlob
- Built a structured news dataset from Breitbart News, Fox News and Newsmax sites via web-scraping methodologies to count most frequent words and hashtags associated with each emotion.
- Performed labelling using TextBlob library and developed a binary text classifier with accuracy of 84% to classify sentiment polarities of these news sites along with visualizations using seaborn.

Hotel Cancellation Prediction   *Dec 2021*
Technologies – R, SVM, Xgboost, Logistic Regression, Feature Engineering, ggplot2, tidyverse, kernlab, caret
- Established a prediction model with 100,000 entries with 40 attributes of a certain hotel database that affect number of reservations and cancellations with an accuracy of 86%.
- Delivered interactive visualizations using ggplot2 and lattice package along with actionable insights on discounts, season, guest type, parking, and other attributes to decrease those cancellations.

Inventory Management System   *Aug 2021*
Technologies – MS SQL Server, Azure Data Studio, MS PowerApps, Docker
- Built a SQL database with three user levels Billing Counter level, Manager level, and Owner level with frontend developed on MS PowerApps to keep track of inventory ordering, sales, transactions, and frauds.
- Utilized T-SQL scripts with triggers and functions to automate routine tasks like updating inventory with new products.