Manali Chaudhari

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EDUCATION

Syracuse University, School of Information Studies, Syracuse, NY — May 2025
Master of Science in Information Systems — 3.9/4
Relevant Coursework: DBMS, Data Analysis and Decision Making, Data Science, Cloud Management, Business Analytics

SNDT Women's University, Usha Mittal Institute of Technology, Mumbai, India — May 2023
Bachelor of Technology in Computer Science and Technology — 9.2/10

CERTIFICATIONS/TECHNICAL SKILLS

Certifications: Microsoft Office Specialist - Excel 2019 Associate, Become a PowerBI Specialist - LinkedIn Learning
Programming Languages: Python[Numpy, Pandas, Matplotlib, Scikit-learn, Seaborn], R[ggplot2, Shiny] , C, C++, Octave
Technologies: PowerBI, Tableau, AWS[EC2, S3], Azure[Data Studio], HTML, CSS, BootStrap, ReactJS, Firebase
Database Management: SQL, PostgreSQL, Snowflake
Softwares: Figma, MS Excel, MS Powerpoint, MS Word, Unified Functional Testing(UFT), Application Lifecycle Management(ALM), PowerApps, Microsoft Access, Git and GitHub, Google Analytics

PROFESSIONAL EXPERIENCE

Project Intern, **TAM Media Research** — June 2024 - July 2024

- Engineered an automated tracking system using Google API and Streamlit to monitor hashtags and keywords, streamlining the monthly reporting process for TAM Brand and enhancing efficiency
- Devised a solution to automate 80% of article retrieval based on specific keywords, significantly reducing manual effort and improving media coverage aggregation
- Created a real-time monitoring platform for keyword-related articles, enhancing accuracy and speed of media analysis reports

Global Information Technology Intern, Colgate-Palmolive — Jan 2023 - June 2023

- Performed monthly regression suite execution in a pre-production environment for over 500 test cases improving testing accuracy, and ultimately contributing to 6 more reliable monthly releases
- Formulated and engineered supply chain scenarios using Visual Basic Script while utilizing ALM for planning and maintenance of testing scenarios and UFT for script development, resulting in a 20% improvement in supply chain management, streamlined testing processes, and a 15% increase in overall efficiency
- Conducted regular meetings with product team to proactively resolve errors in monthly release cycle, ensuring smoother releases and improved quality of pre-production process
- Created comprehensive and user-friendly technical documentation for projects, effectively translating intricate technical concepts into clear and concise language resulting in a 25% reduction in support tickets and a 20% increase in user adoption rates due to accelerated user understanding
- Facilitated agile methodologies, led agile meetings, and removed obstacles to boost productivity as a Scrum Master resulting an increase in team productivity by one-fifth

PROJECTS

Analysis of Crime Hotspots in LA — October 2024 - December 2024

- Analyzed Los Angeles crime data to identify high-crime areas and peak hours, providing insights to enhance safety measures
- Developed Python scripts for data cleaning and preprocessing, enabling actionable insights on crime patterns near tourist spots
- Presented findings in a poster session, showcasing data-driven strategies to optimize law enforcement resource allocation, highlighting critical trends through compelling visualizations and narratives for stakeholder engagement

Energy Consumption Analysis — March 2024 - April 2024

- Constructed a predictive model of decision trees to analyze data on residential energy consumption in South Carolina, achieving an accuracy of 91.3% for heating and 94.8% for cooling data
- Used machine learning to analyze energy consumption dynamics, identifying key factors such as square footage, income level, household size, and insulation quality by simplifying the dataset and focusing on impactful variables
- Provided actionable insights through Shiny Application that integrates complex data analysis and predictive modeling, offering interactive visualization and model analysis features

Dining Hall Management System — Oct 2023- Dec 2023

- Established a comprehensive system to automate task assignments for Syracuse student employees across two dining halls, resulting in a 30% enhancement in operational efficiency
- Designed and orchestrated over 10 complex SQL views and 7 joins, to optimize data handling and retrieval for effective scheduling and compliance with employment regulations
- Collaborated with 70+ student employees and managers to tailor system, improving task diversity and ensuring adherence to work-hour limits through strategic database adjustments, improving stakeholder satisfaction and system usability