SHIVANI DANDIR

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EDUCATION

Master of Science in Management Information Systems (MIS)   December 2022
Eller College of Management, University of Arizona, Tucson, AZ
Courses – Enterprise Data Management, Data Mining

Bachelor of Engineering in Information Technology   May 2019
Maharashtra Institute of Technology College of Engineering, Pune, India   GPA 3.7

SKILLS

- **Languages**: Python, JAVA, R, PHP, JavaScript, C, C++
- **Databases and Tools**: MySQL, SQL, PLSQL, MongoDB, Tableau, Git, PowerBI
- **Frameworks and Libraries**: Pandas, NumPy, Scikit-Learn, Matplotlib, Tensor Flow, Keras

WORK EXPERIENCE

Graduate Assistant, Data Engineer|UAIR |Tucson, AZ   Aug 2021 - Present
- Create dashboards in Tableau for administrative data to provide insights to university business teams including the senior leadership
- Analyze data in Oracle Business Intelligence for financial, research, employee and learning domains.

Analyst (Consulting)|Deloitte USI|Mumbai, India   Dec 2019 – July 2021
- Managed 2 modules independently in a high revenue-generating public sector agile project by, collaborating with 150+ practitioners, and managed 3 interns
- Generated revenue over $70,000 by delivering enhancements and tasks that made the application accessible and user friendly
- Analyzed issues and provided data fixes in MySQL, which impacted 50,000+ cases in the production
- Reduced team efforts up to 20 hours/week by developing JIRA Dashboard to enable time tracking and helped the client monitor daily activities of the project
- Devised Batch Report automation macro using Excel & MySQL, saving project 120+ hours
- Conducted 3 courses (CV, NLP & Bayesian stats) for over 300+ Deloitte Practitioners by taking the initiative to join the Machine Learning Guild team discovering new courses & organizing classroom.

Business Analyst|Pakiza Retail Group|Indore, India   Jun 2019 - Sept 2019
- Built a prototype in R to implement Market Basket Analysis for getting insights on online retail data, containing 500,000+ instances, which helped in restructuring the store layout
- Increased 20% footfall by developing 2 marketing campaigns

ACADEMIC EXPERIENCE

Data Analyst |Traffic Dataset Analysis   **Tools: Oracle| Python| Excel**   Aug 2021
- Analyzed Estonia traffic dataset containing 500,000 records as part of data analytics challenge.
- Cleaned and processed the data to analyze accidents caused by intoxication.
- Visualized data in Tableau to generate insights and provided solution to change the patrolling schedule.

Data Engineer | Identifying racist/sexist Tweets   **Tools: Python| NLP**   July 2019
- Cleaned data by parsing and tokenizing 50,000+ tweets then visualized in WordCloud format
- Used bag of words & TF-IDF models with Naïve Bayes classifier to determine the nature of tweets

Data Engineer | Legendary Pokemon Analysis   **Tools: R| Machine Learning**   June 2019
- Predicted if a pokemon is legendary by decision tree (AUC-78%) & Random Forest (AUC-91%) algorithm

Data Engineer | Human Action Detection   **Tools: JAVA| Computer Vision**   Feb 2019
- Built an application that uses the Support Vector Machine (SVM) for the classification of actions by detecting body movements through video processing, resulting in test accuracy of 92%

ADDITIONAL EXPERIENCE

- Volunteered for 7 cups of Tea, a platform that helps people by listening to them. As an active listener and interacted with 200+ people, helping them with various mental health issues.
- Researched and presented Speech Recognition using Convolutional Neural Networks (CNN)