Arizona,
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VISHNUTEJA NATHANI

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EDUCATION

Master of Science, Computer Systems Engineering, Arizona State University **Aug 2021 — May 2023**

- Coursework: Machine Learning, Database Management Systems, Big Data Analytics

Bachelor of Technology, Computer Science, MVGR College of Engineering, GPA: 3.7/4.00 **Jun 2015 — May 2019**

- Coursework: Foundations of Algorithms, Artificial Intelligence, Hadoop & Big Data

EXPERIENCE

Sensitive Data Management at Phenom People: **Jul 2020 — August 2021**
Product Data Analyst Visakhapatnam, India

- Responsible for the organizations sensitive data management and tracking all the associate's remediation status using various tools in MS Excel.
- Understanding the data storage structure in the organization and accessing it through SAS Enterprise Guide to extract data for adhoc requests that are tracked using salesforce
- Focused at exploring data pre-processing techniques with the use of pandas and various other inbuilt libraries of Python
- Used Tableau to Visualize the generated reports insightfully and used the concepts of Linear Regression, Decision Tree Algorithm, Clustering Algorithms and K-Nearest Neighbors.
- Worked on various Machine Learning algorithms: identified different types of ML techniques and understood when and where we should we use them.
- Technology Used – **MS Office Apps, SAS Enterprise Guide, Python, Tableau, Salesforce**

PROJECTS

Facebook Data Utilization **Jan 2020**

- The objective of the proposed framework is to study and analyze the differences in the way users are using Facebook based on their gender, age, etc., and identify a pattern out of it.
- The intent was gratified by collecting user content from micro- blogging sites like Twitter and Facebook and applying sentiment analysis using machine learning classifiers such as Naïve Bayes and Dictionary-based algorithms.
- Research Paper Presented in International Academicians and Researchers Association Journal.
- Technology Used - **Python, External tools and APIs for scrapping, Machine Learning Classifiers**

Color Detection Using Pandas and OpenCV: **June 2020**

- Here we create a draw_function in the form of (x,y) coordinates and now we calculate the r,g,b values based on the position of the mouse. Now, we calculate the distance d which tells us how close we are to color. I enjoyed a lot building this project.
- Technology Used – **Pandas, OpenCV, NumPy and other Python Packages**

Performance comparison of Predictive models – A detailed comparison of various classifying algorithm's performance. **Jan 2021**

- Analysis of four main Machine Learning algorithms: Naive Bayes, K-Nearest Neighbors, Support Vector Machine, and Random Forest. The analysis is further divided to test for text and numeric data separately.
- Technology Used – **WEKA, Python Scikit learn, TensorFlow**

CERTIFICATIONS

- Java Programming Masterclass for Software Developers – Udemy
- MySQL Boot Camp
- Programming with MATLAB
- Python Programming
- The Data Scientist's Toolbox

TECHNICAL SKILLS AND INTERESTS

Proficient Skills Python, SAS, MS Excel, MySQL, C, SQL
Intermediate Skills Java, Tableau Desktop, HTML5, CSS3, R, Git, Jira

PUBLICATIONS

- I also published one of my projects "Design and Fabrication of Railway Track Inspection Using IoT" in **UGC Approved,** Science Technology and Development Journal which is of National Level Valued and the Publication DOI number **DOI: 19.18001.STD. 2019.V8I11.19.32733** it had an IMPACT Factor of 6.1