Anuj Sarda

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EDUCATION

University of Central Florida   August 2021 – Present
Master's in Computer Science   **[GPA-4.0/4.0]**
Relevant Coursework – Design and Analysis of Algorithms, Advanced Computer Architecture, High-Performance Computing, Machine Learning, Data Mining Methodology, Neural Networks

Savitribai Phule Pune University (formerly University of Pune), India   August 2014 –June 2018
Bachelor of Technology in Information Technology   **[GPA-7.25/10]**

TECHNICAL SKILLS

- **Programming Languages**: Python, C++, Octave, R
- **Areas of Interests/Knowledge**: Machine Learning, Statistics, Mathematical Modelling, Neural Networks
- **Certifications**: Machine Learning (Coursera), Algorithmic Toolbox (Coursera)
- **Software Tools**: Jupyter Notebooks, Android Studio, Anaconda, GIT, Visual Studio, R Studio

PROFESSIONAL EXPERIENCE

Global Datacentre Infrastructure Engineer, TMF Group   July 2018 – May 2021
- Responsible to build, install, configure, and maintain server systems in a physical and virtual environment
- Developed algorithm and implemented framework for Citrix user system data information. This enabled removing duplicate entries in different regions for Citrix desktops reducing 50% of the everyday workload
- Identifying suitable use cases for automation within the organization using python. Efficiently set up an automated reporting health check process for servers removing manual efforts which increased productivity by 60%
- Building services and user interfaces from scratch to track, detect, store, and facilitate remediation of vulnerabilities from 90000 to 40000, identified across a Distributed Systems
- Provided technical services focused on the needs of the Compliance functions to maintain a vulnerable free environment and improved the metrics of compliance by 20%
- Implement and operate the global patching environment to provide modern and reliable security-patch content delivery and installation on a global scale using SCCM

Software Engineer Intern, Tata Consultancy Services   January 2018 – June 2018
- Implemented data fetching and pre-processing pipeline for ADAS (Advanced Driver Assistance Systems) Features for comparison between cars of 10 different companies in different regions of the world and studied basic features of MATLAB

PROJECTS

eBay Delivery Date Prediction (source)
- Developed and compared 5 statistical and Machine Learning models for eBay 2021 Machine learning competition to accurately predict the delivery date of the product. **Tech**: *Python, Pandas, Scikit-Learn, Matplotlib, Pgeocode*

Classification of Aircraft Silhouettes using Modified KNN and Fuzzy Logic (source)
- Aircraft silhouette classification is about extracting the features of input aircraft silhouette and classifying it based on their purpose, for example, military aircraft or commercial aircraft
- Performed feature extraction from images using Hu moments and then build a custom Fuzzy Modified KNN algorithm to increase the recognition accuracy by 5% as compared to KNN. **Tech**: *Java, MATLAB, Matplotlib*

Storing Turtle Ontology into Neo4j Database (source)
- Stored a turtle format ontology file into a Neo4j Graph Database. Used Cypher language, which is a declarative graph query language that allows for expressive and efficient querying and updating of a property graph. **Tech**: *Turtle format, Neo4j, Cypher Query Language*

Word Predictor using R
- Predict the text word just like the predictive text models used by auto-completion. It involved various data pre-processing steps like cleaning, further processing actions on the dataset of Twitter articles to get the frequency of next words occurrence. **Tech**: *R Studio, Python*

ACHIEVEMENTS

- Special Commendation Award for Q1 and Q2, 2020 - Global Datacentre Infrastructure Engineer, TMF Group
- Secured score of 80% in Persistent Computing Institute (PCI) summer school for "Mathematics for Modern Computing" based on Machine Learning algorithms and their implementation