Sai Rohith Pasala

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EDUCATION

-Master of Science, **Computer Science**	*Jan 2021 - 2022*
University of Texas at Arlington	GPA: **4.0**
-Bachelors of Technology, **Computer Science**	*Aug 2016 - Sep 2020*
Jawaharlal Nehru Technological University of Hyderabad	GPA: **3.4**

SKILLS

-Operating Systems and Development Tools: Windows, Ubuntu, Kali Linux, Mac OS and Android | MS Office, Notepad++, Eclipse, VScode, Visual Studio, Filmora video maker, Adobe Photoshop

-Programming Languages and Technologies: Python, C, C++, R, Java, HTML, CSS, PHP, JavaScript, Flask, WordPress

-Database Languages and workbench tools: MySQL, sqllite, MongoDB, MYSQl workbench, Datagrip workbench tool

-Cloud Computing: Microsoft Azure, Google Cloud, AWS

-Machine Learning: SVM, Decision Trees, Naive Baye's Classifier, Random Forest, KNN clustering, Hierarchial Clustering, Apriori Algorithm, etc.

EXPERIENCE

Student Technology Assistant (IT Support), **University Of Texas at Arlington - Office of Information Technology**   *Aug 2021 - Present*

- Duties: Re-imaging devices, debuggingany software/hardware related issues with all devices like mac, windows laptop, ipad, etc., under UTA domain.
- Worked as **Technical Consultant** with UTA staff to build a solution in python to pull data from Azure into the UTA database in their respective fields(Req no, device name,status, asset tag.....).

Azure Cloud Intern, **Verzeo**   *May 2019 - Jul 2019*

- Synchronization of on-premises Domain server to Azure cloud: In this we have designed a cloud model to automatically synchronize the on-premises domain server employee records like id, password to Azure cloud and give them access for Azure accordingly to their security clearance as mentioned in on-premises server. Also, worked on various Azure, Google Cloud and Amazon EC2 functionalities like Azure Active directory, virtual machines, networks, etc.
- Designed and deployed a e-commerce online Gift store website over Azure cloud using MIcrosoft IIS, DNS zones, DNS Resolver, Bitnami virtual machine for wordpress, etc.

PROJECTS

-Music Recommendation System Using Collaborative and Content based Filtering
used Concepts of Data mining, Machine learning like classification, normalization, clustering etc. to design music recommendation system to recommend perfect songs for each user based on different users song history taken from gaana Dataset available in internet.

-2-Phase Locking Protocol
Using NOSQL(MongoDB), MYSQL(mysqllite3) and python designed a program to avoid deadlocks on transactions using wait-die, cautious-wait and wound-wait protocols.

-Movie review analysis (NLP) using Sentiment Analysis
used Random Forest, Naive Bayes and SVM and later compared and used the classifier with best accuracy to get correct review for a movie based on IMDB movie history database.

-Search Engine using Azure cloud services (Flask Application)
Designed a Flask Application based on words or word combinations to find relevant documents that are on Azure cloud. The search result identifies a document by name and where in that document is found. the application also processes for punctuations,stop words and gives a very optimal search result.

-Artificial Intelligence mini projects
Worked on Bayesian networks, Wumpus problem, game playing logic and unsupervised and supervised learning.

-Designed a personal portfolio website
created a single page personal portfolio website using javascript, HTML, PHP and CSS for publishing IT support forums

-Face Recognition
Developed an application that can recognize live faces displaying on camera.
I have used neural networks to develop this algorithm.

CERTIFICATIONS AND AWARDS

- Microsoft Technical Associate(MTA) Certification in Microsoft Azure Cloud. : Jul 2019