Gajanan Panjabrao Wadekar

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Education

University of Texas at Arlington **August 2018 – August 2020**

Master of Science in Computer Science **GPA: 4.00**

Course Work- Neural Networks, Data Mining, Operating System

Pune University, Pune, India **August 2011- July 2015**

Bachelor of Engineering, Electrical Engineering **CGPA**: 60/100

Work Experience

Senior Systems Engineer, Infosys BPO Ltd., Pune, India **March 2016 – August 2018**

Robotic Process Automation (RPA) for Automating various clerical processes.

- The project involved the automation of processes for the finance department.
- Automated various processes which includes SAP, Outlook, Web, Excel, Desktop applications, PDF, and Word files
- Understanding the scenarios and providing optimized way of coding to fulfill business requirement. Code reviewing.

Dot Net based Enterprise Application (OEMS) - OEMS is a ticketing and tracking tool.

- Helped to reduce task completion time by 28% by developing front and back end for the application**.**
- Optimized SLA management process for each process under an application.
- Created a service for reading and sending mails through EWS.
- Provided technical assistance for the enterprise application.

Achievement:

Received Infosys 'Rising Star' and 'Extra Miler' Award for best performance.

Academic Projects

Classification of data into two classes using single neuron **September 2018**

- Developed classifier program using a single neuron. The task of the neuron was to draw a decision boundary between different points from 2 classes based on Perceptron Learning Rule

A Search Engine **September 2018**

- Implemented a search engine to return most similar document for a searched query. Written a code to calculate the tf-idf of the query with documents, find the cosine similarity, and return the document with highest similarity

Handwritten Digits Recognition Tool **October 2018**

- Developed an image recognition tool using a single layer neural network. The neural network is trained with the MNIST dataset including 1000 images of handwritten numbers from 0 to 9. Achieved accuracy of 90%

NBA Player Position Prediction **October 2018**

- Achieved the accuracy of 73% to classify the NBA player(NBA Dataset) into 5 positions using K-Nearest Neighbor, Naïve Bayes, Support Vector Machine, and Decision Tree

Stock Price change Prediction Using Adaline Network **October 2018**

- Implemented Widrow-Huff Learning rule to predict the price change in stock based on past data(real stock market data)

Recommender System **December 2018**

- Developed a recommendation engine for a movie dataset. The recommendation is provided using 3 methods, user based, item based, and content based.

Object Classifier for multiple classes **December 2018**

- Designed a multi-layer neural network to categorize the input data into multiple classes/clusters. Generated data for multiple classes and trained the network it to classify them

Image Recognition Tool **December 2018**

- Achieved the accuracy of 78% to recognize images using a convolutional neural. The neural network is trained with the CIFAR-10 dataset which has 60000 images of 10 types of categories

Designing and Manufacturing of Domestic Windmill **May 2015**

- Designed an alternator for a low-cost windmill project, created primarily for domestic use, that could suffice the least need of electricity for a small family in village

Technical Skills

- **Programing Languages:** Python, C
- **Libraries:** NumPy, Tensorflow, Scikit Learn, Keras, matplotlib
- **Operating Systems:** Widows, Linux (Ubuntu), MAC OS

RPA Tool: Automation Anywhere

Database: MySQL, MS SQL Server

Additional Tranings/Certifications

- Advanced Professional Certification on Automation Anywhere.
- Acquired a Certificate in Scilab from IIT Bombay

Paper Presentation and Seminars

- Delivered a seminar on 'Microbial Fuel Cell' in NBN Sinhgad School of Engineering, Pune **March 2014**
- Presented a Paper on 'Future Uses of Robotics in different types of application', at NDMVP College, Nashik. **Feb 2014**