DEEJA CHHABRA
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Education

University of Texas at Arlington **Jan 2022 - Present**
Master of Science in Computer Science. GPA 4.0/4.0 Arlington, Texas
Specialization- Big Data Management, Artificial Intelligence.
Course Work-Design and Analysis of Algorithms, Data Analysis and Modelling Techniques, Secure Programming, DataMining, Machine Learning, Artificial Intelligence.

Mody University of Technology and Science, India **Jul 2014 - May 2018**
Bachelor of Engineering in Computer Science. GPA 7.31/10.0 Sikar, Rajasthan
Course Work- Compiler Design, Theory of Computation, Operating Systems, Data Compression.

Technical Skills

Programming Languages: Python (scikit-learn, pandas, NumPy, matplotlib, Pycaret), C++, Java, SQL, HTML.

Certifications:

Coursera	Microsoft
DeepLearning.AI TensorFlow Developer Specialization	Microsoft Technology Associate (MTA)
Natural Language Processing in TensorFlow	Microsoft Certified Azure AI Fundamentals
Sequences, Time Series and Prediction	Microsoft Certified Azure Data Fundamentals
Convolutional Neural Networks in TensorFlow	Microsoft Certified AZURE Fundamentals
Introduction to TensorFlow for AI, ML, Deep Learning	

Others: Core Java with Android (Hewlett Packard), Tableau Essential Learning (LinkedIn), Machine Learning Foundations (LinkedIn)

Work Experience

Infosys Ltd. India **Jun 2018 - Nov 2021**
Senior System Engineer

- Worked with team members to build Database objects – tables, views, cursors and functions for performing activities as communicated by the customer.
- Utilized SQL in firing queries to extract useful data from a Dataset.
- Analysis of issues, researching on solutions and applying the best possible resolution to the problem.

Academic Projects

Linear Regression, Logistic Regression, Linear Discriminant analysis from scratch, Python, NumPy, Pandas

- Developed predictive analytical Models from scratch and trained them on Iris Dataset.
- Updated Weights and biases based on the training and plotting decision regions using MLXTEND.

Non-Linear SVM, Multi-class SVM, Neural Network Library from scratch, Python, NumPy, pandas, Scikit Learn

- Created SVM based on Input. (Linear and Polynomial Kernel)
- Constructed the neural network library from scratch including layers, number of neurons to be passed, activation functions,loss functions.

Natural Language Processing Text Classification, Pycaret, Python, NumPy, Pandas, Scikit Learn

- Sentiment analysis using **Pycaret** after doing thorough research on Pycaret and it's text classification.
- Comparison with **traditional models (**Random Forest, NBC, Logistic Regression, SVM)
- Dataset classified as Positive or Negative based upon the Review Rating.
- Visualized the accuracy of each model to better understand the performances.

Multi - Class Image Classification, Python

- Used Convolutional Neural Network to classify images of three different classes.
- Extensive use of Image Data Generators with application of convolutions to increase our training data.
- Achieved an accuracy of 99% on validation dataset after training six different model variations.

Achievements

- Appointed the **President** of **Indian Mavericks Society (Fall 2022)** at the University of Texas at Arlington.
- Entrusted with the position of **General Secretary of Athlon (Athletic Society),** Mody University.
- Received Championship Trophy for Infosys Hyderabad in Inter DC Sports Competition (Basketball).