VIDYA CHANDRAN.G

vidhyachandran2007@gmail.com 9020862084 www.linkedin.com/in/vidya-chandran-g- a05a4912a

CAREER OBJECTIVE:

Seeking a challenging position in Artificial Intelligence domain that enables me to utilize my knowledge, thereby serving a competitive environment and a true profession to gain in more knowledge and exposure to upcoming technologies.

SKILLS

PYTHON | MACHINE LEARNING | DEEP LEARNING | TENSORFLOW | KERAS | SKLEARN | NLP | NLTK | R | NUMPY | PANDAS | MYSQL | MATPLOTLIB | SEABORN | STREAMLIT

EXPERIENCE:

DATA SCIENCE INTERN:

Oracuz Infotech (March 2021-Present).

Responsibilities:

- Gain valuable insights from data by applying various Machine learning and deep learning strategies.
- Understand and implement Machine learning life cycle on various data sets ranging from Data collection, Exploratory data analysis, Principal Component Analysis, Feature selection, Selection of ML model, Model Training, visualization and interpretation of results by the comparison using various cost function metrics and model deployment.
- ML models used: (Supervised and Unsupervised)
    - Regression , Classification , Clustering & Association
- Gained familiarity with basics of Deep learning and the related libraries.
- Implementation of ML projects related to **Natural language processing.**
- Model deployment using web frameworks like **Streamlit.**

PROJECTS:

1: Movie Recommendation System :

An End to End Machine Learning project on Content Based Movie Recommendation was done with deployment using **Streamlit** .

Techniques Used:

- NLP
- CountVectorizer(Bag of Words).
- Cosine Similarity.
- Streamlit.

2: Stock Sentiment Analysis from News Headlines using NLP:

Analyze news headlines using various NLP techniques to find out whether the stock price will rise or fall.

Techniques Used:

- TF-IDF
- Random forest classifier

3: Classify handwritten digits from MNIST data set using Deep learning:

Classification of hand written digits from MNIST dataset was done using neural network architecture.

Techniques Used:

- Deep learning
- Sigmoid and Relu activation functions.
- Single and multiple hidden layers comparison.
- Accuracy and Confusion metrics analysis using heat map.

4: Forecast Bike Rentals using various Regression Algorithms:

The objective of the project is to use historical usage patterns and weather data, to forecast bike rental demandthat is number of bike users on hourly basis. Regression techniques were used and best model was selected based on cost function metric.

6: Mall customers Spending data analysis using Hierarchical and DBSCAN Clustering :

These are two clustering techniques which belongs to unsupervised machine learning Paradigm. The optimum number of clusters were found using Dendrograms Here we have applied these techniques on to mall customers dataset to predict to which group a customer belongs to based on annual income and spending score.

7: Iris data Clustering Using KMeans (KMeans ++, Mini Batch KMeans):

This is an unsupervised ML technique. Here KMeans clustering technique was used to identify possible clusters, optimum value of clusters was found out using Elbow method Clusters were plotted and analyzed.

8: Predicting Survival from Titanic Crash using Naive-bayes classifier:

This model works on Bayes theorem (conditional probability). Model score and prediction probability were calculated and analyzed . It was interpreted as more females survived than males and they were from higher P class.

COURSES AND CERTIFICATIONS:

Certification course on 'Machine learning with python' from National Institute of Electronics and Information Technology **(NIELIT) , Chennai**

EDUCATION:

MTECH	**SOFTWARE ENGINEERING**	**COCHIN UNIVERSITY**	**CGPA - 9.46**
		(2011-2014)	
BTECH	**INFORMATION TECHNOLOGY**	**KERALA UNIVERSITY**	**CGPA - 7.77**
		(2005-2009)	
PLUS TWO	**SCIENCE**	**KERALA HIGHER SECONDARY BOARD**	**PERCENTAGE - 86**
		(2003-2005)	
SSLC		**KERALA STATE BOARD**	**PERCENTAGE - 91.8**
		(2003)	

AWARDS AND HONOURS:

Cochin University **First Rank Holder** in MTech (Software Engineering).

PERSONAL STRENGTHS:

- Quick learner.
- Ability to adapt to new technologies .
- Good Team player.
- Self-Starter , willing to tackle new and challenging problems .
- Positive Attitude and Commitment.

PERSONAL DETAILS:

Date of Birth	:19/10/1987
Languages Known	: English, Hindi, Malayalam
Marital Status	: Married
Address	: 'Chandramana', Manchinadu, Puliyarakonam .P.O, Trivandrum-695573 Kerala

DECLARATION:

I hereby declare that the above mentioned details are true and accurate to the best of my knowledge and belief.

14-08-2021 **VIDYA CHANDRAN.G**

Trivandrum