AMOGH MAHESH

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OBJECTIVE

To work as a key player in creative and supportive environment by utilizing my skills and abilities to achieve organizational as well as personal goals.

ACADEMIC DETAILS

Period		Institute	Course	Aggregate
2016	- Present	JSS Science and Technology University (Formerly SJCE), Mysore	B.E. in Computer Science and Engineering	CGPA - 9.33*/10 (Semester I – VI)
2015	- 2016	Vidyaniketan PU College, Tumkur	II PUC	94.2%
2013	- 2014	T.V.S School, Tumkur	10th grade	CGPA - 9.8/10

AREAS OF INTEREST

- Computer Networks
- Operating System
- Neural Networks
- Computer Vision

PROJECTS

1. HAND GESTURE CONTROLLED BROWSER

- A Convolutional Neural Network based system that recognizes different hand gestures and perform actions in a browser that is predefined to each gesture.
- ***Skills acquired: Keras,OpenCV,Python***

2. BINARY CLASSIFIER FOR IMAGES

- A binary classifier based on artificial neural network that classifies 64x64 pixel colored images of Cats(Cats vs Non-Cat) with 70% accuracy.
- ***Skills acquired: Tensorflow,Pillow,Python***

3. LIBRARY WEBSITE

- A library website built using Django.
- ***Skills acquired: Django , DBMS concepts***

4.MOVIE RECOMMENDATION SYSTEM

- Recommends movies to users based on their ratings of other movies. It is developed using Singular Value Decomposition (SVD) method of dimensionality reduction.
- ***Skills acquired: Octave***

5. FACE RECOGNITION SYSTEM

- An OpenCV based system to recognize and tag multiple faces
- ***Skills acquired: OpenCV,Python***

6. MARKET BASKET ANALYSIS

- An Implementation of Apriori algorithm, an Association Analysis method to find the frequently bought item set given a set of transactions along with rules.
- ***Skills acquired: Data Mining and Analysis***

7. IMAGE COMPRESSION USING K-MEANS CLUSTERING

- Implementation of K-Means algorithm to reduce a 24-bit (RGB) per pixel image to 4-bits per pixel
- ***Skills acquired: Python***

8. HOUSING PRICE PREDICTION

- Implementation of linear regression model to predict the house price based on the features like house size and number of rooms.
- ***Skills acquired: Linear Regression,Numpy***

TECHNICAL SKILLS

- **PROGRAMMING LANGUAGES:**C, C++, Python, Octave, SQL, HTML,CSS
- **OPERATING SYSTEMS:** Linux, Windows
- **ENVIRONMENT:** Anaconda Spyder, Jupyter Notebook ,MySQL ,OCTAVE

EXTRA-CURRICULAR ACTIVITIES

- Event Coordinator at Linux Campus Club(Technical club of CSE,SJCE).
- As a part of Community Development Program taught English to kids from Government Schools and rejuvenated public parks.
- Held sessions on Machine Learning Algorithms as a part of Linux Campus Club events.
- Completed certified courses from Coursera on Machine Learning and Deep Learning.
- A dedicated pratctioner of yoga.