A G SHASHANK

Master of Computer Application

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EDUCATION

2019 - Master of computer applications
2022
DoS in Computer science, University of Mysore
CGPA : **8.9**

2016 - B.Sc computer science
2019
Udaya College of Arts and science, Kanyakumari
CGPA : **8.39**

2014 - Pre-University Course
2016
MPE's SDMPU college, Honavar,karnataka
Percentage : **61.3**

SKILLS

Languages:	C++,Java, Python.
Machine learning:	Image Processing, OpenCV, Numpy, Deep learning.
Technologies:	Android SDK, FireBase, Github.
Database:	SQL,DBMS
Operating systems:	Linux, Windows.

PROJECTS

Image processing   **Signature Segmentation from document images**   **github.com link**
- Developed a project focused on signature detection and segmentation from scanned document images.
- Leveraged the SPODS dataset for training and testing the proposed method, achieved **83% accuracy**.
- Utilized technologies such as the **ResNet50** model, **OpenCV**, **TensorFlow**, and **Keras libraries**.
- Implemented post-processing techniques employing **morphological operations** to effectively eliminate unwanted information from images.
- **Comparative analysis** of ResNet50, ResNet101, ResNet152v2 and YoloV5s are done.

Object Recognition   **Logo Recognition**   **github.com link**
- Implemented a machine learning approach to recognize brand logos in input images from real time webcam images.
- Trained a **KneighborsClassifier** model on custom dataset containing various brand logos.
- Employed technologies like **OpenCV**, **scikit-learn**, and **scikit-image libraries**.

Object Recognition   **Face Recognition**   **github.com link**
- Developed a real-time webcam video program that recognizes celebrity faces.
- Trained an **LBPHFaceRecognizer algorithm**-based model using dataset created from face images.
- Used **numpy**, **OpenCV** and **CascadeClassifier**.

Feature matching   **Resume matcher**   **github.com link**
- Matching resumes with job description using **CountVectorizer**.
- Extracted features from resume using **PyPDF2** and **pdfplumber**.

Data extraction   **Noun Extraction**   **github.com link**
- Created a solution for extracting nouns from the sklearn datasets fetch_20newsgroups.
- Utilized , NLTK and pymongo for storing the extracted nouns in MongoDB.

Android   **Android app for billing – MotoClub**   **github.com link**
- Designed and developed an Android app for generating invoices for vehicle repairs.
- Implemented **Firebase authentication** for user login. .
- Designed Firebase **Realtime Database** for storing and retrieving user data.

ACHIEVEMENT

- **Best Paper Award** at the International Conference on Recent Research Advancements in Computational Science (ICRRACS-2023) for the co-authored paper titled **Signature Detection and Extraction from Scanned Documents**, held at Loyola College, Chennai..

CERTIFICATIONS
- C ++ Tutorial by John Purcell (Udemy),2023
- Java Tutorial by John Purcell (Udemy),2019
- ASP.NET: Create News Website by Dhoyazan Adbo Othman (Udemy),2018

INTERESTS

Motorcycles , Travelling, Fitness, Cricket