SRI CHARAN THOUTAM

Undergraduate Student

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CAREER OBJECTIVE

To work with an organization where I can learn new skills and increase my abilities to contribute to both organizational goals and my personal growth.

EDUCATION

B.Tech in Computer Science and Engineering (AI & ML)
Ganapathy Engineering College

📅 09/2021 - 08/2024   📍 CGPA: 7.1/10

Diploma in Electronics and Communication Engineering
VMR Polytechnic

📅 05/2018 - 07/2021   📍 CGPA: 7.5/10

Board of Secondary Education SSC - Class X
ASSISI ENGLISH MEDIUM SCHOOL

📅 04/2018   📍 CGPA: 8.3/10

PROJECTS

Rock-Paper-Scissors
- Created a Rock-Paper-Scissors game where you can challenge an AI opponent.
- Utilized Keras, TensorFlow, and OpenCV to build an AI model capable of recognizing hand gestures.
- Utilized the "SqueezeNet" pre-trained model through Keras with TensorFlow as the backend.
- Set up the project with detailed installation instructions and requirements.
- Included a step-by-step process for image gathering, training, testing, and playing with the model.
- ⚙ CodeWithCharan/Rock-Paper-Scissors-Project

Cat and Dog Image Classifier
- Developed a deep learning model to classify images of cats and dogs.
- Implemented a CNN architecture using TensorFlow and Keras.
- Achieved a classification accuracy of 63%
- ⚙ CodeWithCharan/Cat-and-Dog-Image-Classifier

Book Recommendation Engine using KNN
- Built a book recommendation engine based on the KNN algorithm.
- Utilized the Book-Crossings dataset that contains 1.1 million ratings (scale of 1-10) of 270,000 books by 90,000 users.
- ⚙ CodeWithCharan/Book_Recommendation_Engine_using_KNN

Neural Network SMS Text Classifier
- Designed a neural network model to classify SMS messages as "ham" or "spam".
- Utilized the SMS Spam Collection dataset.
- ⚙ CodeWithCharan/Neural_Network_SMS_Text_Classifier

TECHNICAL SKILLS

- **Programming Languages**:
  - Python (Proficient)
  - Java
  - JavaScript
  - C
- **Data Structures & Algorithms**: Strong foundation in DSA & problem-solving.
- **Machine Learning & Deep Learning**:
  - Proficient in TensorFlow, Keras, Scikit-learn, Pandas, NumPy, Matplotlib for machine learning.
  - Experience with PyTorch for deep learning tasks.
  - Natural Language Processing (NLP).
  - Knowledge of Neural Networks, Convolutional Neural Networks (CNN) and ability to utilize pre-trained models.
  - Computer Vision using OpenCV.
  - Reinforcement Learning.
- **Web Development**:
  - HTML
  - CSS
  - Flask
  - Bootstrap
- **Databases**:
  - MongoDB
  - SQL
- **Version Control**: Git
- **Integrated Development Environments (IDEs)**:
  - Visual Studio Code
  - Jupyter Notebook

ACHIEVEMENTS

- **In Python, I have earned 5 stars on HackerRank**
- **In the Kaggle competition, I achieved rank 1896 out of 68761 participants**

CODING PROFILE

HackerRank - hackerrank.com/CodeWithCharan
Kaggle - kaggle.com/CodeWithCharan

CERTIFICATES

Machine Learning with Python: Show Credential
Intro to Machine Learning: Show Credential
Intermediate Machine Learning: Show Credential

LINKS

LinkedIn - linkedin.com/in/CodeWithCharan
GitHub - github.com/CodeWithCharan
freeCodeCamp - freecodecamp.org/CodeWithCharan
Portfolio - codewithcharan.github.io/My-Portfolio