SRI CHARAN THOUTAM

Undergraduate Student

@ thoutamsricharan@gmail.com ✉ Warangal, India ⌨ CodeWithCharan ☎ +91 8897523345 in CodeWithCharan

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

Reinforcement Learning for Mario game

Skills: Python 3, OpenAI Gym, PyTorch, Stable-Baselines3

- Developed an AI model using Reinforcement Learning to play the Super Mario game.
- Super Mario Bros. game, which was released in 1985 for the Nintendo Entertainment System, had 32 levels spanning across 8 worlds.
- Our Artificial Intelligence (AI) Mario Agent successfully cleared one level from each of these 8 worlds.
- ⌨ CodeWithCharan/AI-Mario

- - - - - - - - - -

Rock-Paper-Scissors with AI

Skills: Python 3, Keras, TensorFlow, OpenCV

- Created a Rock-Paper-Scissors game where you play against 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.
- Included a step-by-step process for image gathering, training, testing, and playing with the model.
- ⌨ CodeWithCharan/Rock-Paper-Scissors-Project

- - - - - - - - - -

Neural Network SMS Text Classifier

Skills: Python 3, TensorFlow, Keras, NLP, LSTM

- Developed a text classification model for SMS messages, distinguishing between "ham" and "spam."
- Implemented data preprocessing, including text cleaning and stopwords removal.
- Used TensorFlow to build and train the model.
- Utilized an LSTM neural network architecture for text classification.
- Achieved a good accuracy in distinguishing between spam and non-spam messages.
- ⌨ CodeWithCharan/Neural_Network_SMS_Text_Classifier

TECHNICAL SKILLS

- **Programming Languages**:
  - Python (Proficient)
  - Java
  - C
- **Data Science & Machine Learning**:
  - **Libraries & Frameworks**: TensorFlow, PyTorch, Keras, Scikit-learn, Pandas, NumPy, and Matplotlib
  - **Natural Language Processing (NLP)**: NLTK, spaCy
  - **Neural Networks**: Convolutional Neural Networks (CNN), Recurrent Neural Networks (RNN)
  - **Computer Vision**: OpenCV
  - **Reinforcement Learning**: OpenAI Gym, Deep Q-Network (DQN), Proximal Policy Optimization (PPO)
- **Web Development**:
  - HTML, CSS, JavaScript
  - Flask
  - Bootstrap
- **Databases**:
  - MongoDB
  - SQL
- **Version Control**: Git
- **IDEs and other**:
  - 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
Portfolio - codewithcharan.github.io/My-Portfolio