

SRI CHARAN THOUTAM

Undergraduate Student

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✉ Warangal, India

🔗 CodeWithCharan

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🌐 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

• Machine Learning & Deep Learning:

- **Frameworks and Libraries:** 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/Gymnasium, 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