

SRI CHARAN THOUTAM

Undergraduate Student

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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.
- Setting up the Mario environment.
- Preprocessing the environment.
- Training the RL model.
- Testing it out.
- 🌐 <https://github.com/CodeWithCharan/Super-Mario-AI>

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
- **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

Portfolio - codewithcharan.github.io/My-Portfolio