

SRI CHARAN THOUTAM

Undergraduate Student

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✉ Warangal, India

🔗 CodeWithCharan

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🌐 CodeWithCharan

CAREER OBJECTIVE

To work with an organization where I can learn new skills, increase my abilities and contribute to both the company's 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

Super Mario AI

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

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](#)

Cat and Dog Image Classifier

Skills: TensorFlow, Keras, Convolutional Neural Networks (CNN)

- Developed a deep learning model to classify images of cats and dogs.
- Implemented a Convolutional Neural Network (CNN) architecture using TensorFlow and Keras.
- Achieved a classification accuracy of 63%.
- 🌐 [CodeWithCharan/Cat-and-Dog-Image-Classifer](#)

TECHNICAL SKILLS

- **Programming Languages:**
 - Python (Proficient)
 - Java
 - JavaScript
 - C
- **Machine Learning & Deep Learning:**
 - Proficient in TensorFlow, Keras and PyTorch for deep learning tasks.
 - Scikit-learn, Pandas, NumPy, and Matplotlib libraries for machine learning.
 - Natural Language Processing (NLP).
 - Neural Networks.
 - Computer Vision using OpenCV.
 - Reinforcement Learning for Gaming.
- **Data Structures & Algorithms**
- **Problem-solving**
- **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