

SRI CHARAN THOUTAM

Undergraduate Student

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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

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](#)

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.
 - Scikit-learn, Pandas, NumPy, and Matplotlib.
 - Natural Language Processing (NLP).
 - Neural Networks.
 - Computer Vision.
 - Reinforcement Learning.
- 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