

# SRI CHARAN THOUTAM

Undergraduate Student

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## CAREER OBJECTIVE

To work with an organization where I can learn new skills and increase my abilities to contribute to both organizational 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

### Rock-Paper-Scissors

- Created a Rock-Paper-Scissors game where you can challenge 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 with TensorFlow as the backend.
- Set up the project with detailed installation instructions and requirements.
- 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

- Developed a deep learning model to classify images of cats and dogs.
- Implemented a CNN architecture using TensorFlow and Keras.
- Achieved a classification accuracy of 63%
- 🔄 CodeWithCharan/Cat-and-Dog-Image-Classifier

### Book Recommendation Engine using KNN

- Built a book recommendation engine based on the KNN algorithm.
- Utilized the Book-Crossings dataset that contains 1.1 million ratings (scale of 1-10) of 270,000 books by 90,000 users.
- 🔄 CodeWithCharan/Book\_Recommendation\_Engine\_using\_KNN

### Neural Network SMS Text Classifier

- Designed a neural network model to classify SMS messages as "ham" or "spam".
- Utilized the SMS Spam Collection dataset.
- 🔄 CodeWithCharan/Neural\_Network\_SMS\_Text\_Classifier

## TECHNICAL SKILLS

- Programming Languages:**
  - Python (Proficient)
  - Java
  - JavaScript
  - C
- Data Structures & Algorithms:** Strong foundation in DSA & problem-solving.
- Machine Learning & Deep Learning:**
  - Proficient in TensorFlow, Keras, Scikit-learn, Pandas, NumPy, Matplotlib for machine learning.
  - Experience with PyTorch for deep learning tasks.
  - Natural Language Processing (NLP).
  - Knowledge of Neural Networks, Convolutional Neural Networks (CNN) and ability to utilize pre-trained models.
  - Computer Vision using OpenCV.
  - Reinforcement Learning.
- 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](https://hackerrank.com/CodeWithCharan)

Kaggle - [kaggle.com/CodeWithCharan](https://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](https://linkedin.com/in/CodeWithCharan)

GitHub - [github.com/CodeWithCharan](https://github.com/CodeWithCharan)

freeCodeCamp - [freecodecamp.org/CodeWithCharan](https://freecodecamp.org/CodeWithCharan)

Portfolio - [codewithcharan.github.io/My-Portfolio](https://codewithcharan.github.io/My-Portfolio)