

# SRI CHARAN THOUTAM

Undergraduate Student

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## EXPERIENCE

### Machine Learning Intern

#### Mentorress

📅 Nov 2023 – Dec 2023

- Analyzed the Cricket World Cup 2023 data, performing tasks including Performance Analysis, Opposition Analysis, Ground Analysis, and Temporal Analysis.
- Developed a Salary Prediction Model for Data Professions. Performed several tasks such as EDA, Feature Engineering, Model Development, Model Evaluation, and Model Deployment using Flask.
- 🔄 CodeWithCharan/Salary-Prediction-Project

## 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

### Anime-Recommendation-System

**Skills:** Python 3, Pandas, NumPy, Scikit-learn, Streamlit

- In this project, I built an "Anime Recommendation System" to individual preferences. Users can input their favorite anime in the search box, and it will provide a list of anime recommendations based on their preferences.
- To achieve this, I performed various tasks, including Data cleaning, Feature engineering, Exploratory Data Analysis (EDA), Data preprocessing, Collaborative filtering, Content-based filtering, and Model development.
- Utilized "joblib" for model packaging.
- Additionally, I Implemented a user-friendly interface with "Streamlit App".
- 🔄 CodeWithCharan/Anime-Recommender-Streamlit-App

### Spotify Recommendation System

**Skills:** Python 3, Pandas, NumPy, Scikit-learn, FastAPI

- In this project, I've built an spotify recommendation system to individual preferences.
- Users can input their favorite song name and year, it will provide a list of music recommendations based on their preferences.
- To do this, I performed various tasks, including Feature engineering, Exploratory Data Analysis (EDA), fetching data using Spotify Web APIs, Model development and Model serving using FastAPI
- 🔄 CodeWithCharan/Spotify-Recommender-Project-FastAPI

## TECHNICAL SKILLS

- **Programming Languages:**
  - Python (Proficient)
  - Java
  - C
- **Data Science & Machine Learning:**
  - **Frameworks/Packages:** TensorFlow, PyTorch, FastAPI, Streamlit, Keras, Scikit-learn, Pandas, NumPy, Scipy, Matplotlib and Seaborn
  - **Natural Language Processing (NLP):** NLTK, spaCy
  - **Neural Networks:** Convolutional Neural Networks (CNN), Recurrent Neural Networks (RNN)
  - **Computer Vision:** OpenCV
  - **Reinforcement Learning:** OpenAI Gym, Deep Q-Network (DQN), Proximal Policy Optimization (PPO)
  - **Jupyter Notebook**
- **Web Development:**
  - HTML, CSS, JavaScript
  - Flask
  - Django
  - Bootstrap
- **Databases:**
  - MongoDB
  - SQL
- **Version Control:** Git
- **IDE:** Visual Studio Code
- **OS:** Linux, Windows

## 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:** [freecodecamp](https://www.freecodecamp.org/certification/machine-learning-with-python)

**Intro to Machine Learning:** [kaggle](https://www.kaggle.com/learn/intro-to-machine-learning)

**Intermediate Machine Learning:** [kaggle](https://www.kaggle.com/learn/intermediate-machine-learning)

## LINKS

📄 [CodeWithCharan](#)

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