

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.

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, Nearest Neighbors algorithm, 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

Neural Network SMS Text Classifier

Skills: Python 3, TensorFlow, Keras, Neural Networks, NLP

- Developed a text classification model for SMS messages, distinguishing between "ham" and "spam."
- Implemented several tasks such as data preprocessing, text cleaning and stopwords removal. Utilized an LSTM neural network architecture.
- Achieved an accuracy of 90% to detect spam messages.
- 🔄 CodeWithCharan/Neural_Network_SMS_Text_Classifier

TECHNICAL SKILLS

- **Programming Languages:**
 - Python (Proficient)
 - Java
 - C
- **Data Science & Machine Learning:**
 - **Frameworks/Packages:** TensorFlow, PyTorch, 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
 - Bootstrap
- **Databases:**
 - MongoDB
 - SQL
- **Version Control:** Git
- **IDE:** Visual Studio Code

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: freecodecamp

Intro to Machine Learning: kaggle

Intermediate Machine Learning: kaggle

LINKS

- 🌐 CodeWithCharan
- 🔄 CodeWithCharan
- 🌐 codewithcharan.github.io/My-Portfolio