

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 – 06/2024 📍 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

Automatic Language Detection

Skills: Python, Scikit-learn, FastAPI, Docker, Render

- In this project, I developed a language detection system to identify the language of text data from a set of languages, including major European and Asian languages such as Arabic, English, Hindi, and Russian.
- Utilized FastAPI to create a web API, allowing users to interact with the model.
- Used Docker for containerization, ensuring consistent and isolated execution environments.
- Deployed the project on Render (a cloud-based platform), making it accessible through a web interface.
- 🔄 CodeWithCharan/Automatic-Language-Detection
- 🌐 automatic-language-detection-app.onrender.com/docs

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:**
 - Supervised learning algos, Unsupervised learning algos, Data cleaning, Feature engineering, Exploratory Data Analysis (EDA), Data preprocessing, etc.,
 - **Frameworks/Packages:** TensorFlow, PyTorch, FastAPI, Streamlit, Keras, Scikit-learn, Pandas, NumPy, Scipy, OpenCV, Matplotlib, Seaborn, NLTK, spaCy
 - **MLOps tools:** MLflow, CI/CD, DagsHub
 - **Neural Networks:** Convolutional Neural Networks (CNN), Recurrent Neural Networks (RNN)
 - **Reinforcement Learning:** OpenAI Gym, DQN, PPO
 - **Jupyter Notebook**
- **Web Development:**
 - HTML, CSS, JavaScript, Flask
- **Databases:**
 - MongoDB
 - MySQL
- **Cloud Deployment and Containers:**
 - AWS, Render, Heroku, Netlify
 - Docker
- **Version Control:** Git, DVC
- **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

Kaggle - 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

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- 🌐 codewithcharan.github.io/My-Portfolio