

# Sri Charan Thoutam

FRESHER

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## INTERNSHIPS

### Machine Learning Intern

#### Mentorress

📅 Nov 2023 – Dec 2023

- 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.
- Analyzed Cricket World Cup 2023 data, focusing on performance, opposition, ground, and temporal analysis.
- 🌐 CodeWithCharan/Salary-Prediction-Project

## EDUCATION

### B.Tech in Computer Science and Engineering (AI & ML)

#### Ganapathy Engineering College

📅 09/2021 – 07/2024    📍 CGPA: 7.01/10

### 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.
- Used 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.
- To do this, I performed various tasks, including Feature engineering, Exploratory Data Analysis (EDA), fetching data using Spotify Web APIs and Model development.
- Used FastAPI to create a web API, allowing users to interact with the model.
- 🌐 CodeWithCharan/Spotify-Recommender-Project-FastAPI

## TECHNICAL SKILLS

- Programming Languages:**
  - Python (Proficient)
- Data Science Expertise:**
  - Data Cleaning, Feature Engineering, Exploratory Data Analysis (EDA), Data Preprocessing, Model Development, Model Deployment
- Machine Learning Algorithms:**
  - Supervised Learning:** Linear Regression, Logistic Regression, Decision Trees, Random Forest, Support Vector Machine (SVM), K-Nearest Neighbors (KNN), Naive Bayes
  - Unsupervised Learning:** K-Means Clustering, Principal Component Analysis (PCA)
- Deep Learning:** Convolutional Neural Networks (CNN) and Recurrent Neural Networks (RNN)
- Mathematics for ML & DL:** Statistics, Probability, Calculus, Linear Algebra
- Libraries:** TensorFlow, PyTorch, Keras, Scikit-learn, Pandas, NumPy, Matplotlib, Seaborn, SciPy, OpenCV, NLTK, spaCy
- Frameworks:** FastAPI, Streamlit, Flask
- MLOps:** MLFlow, Docker, DagsHub
- Web Development:** HTML, CSS, JavaScript
- Databases:** MySQL
- Cloud:** AWS, Render
- Version Control:** Git, DVC
- IDE:** Visual Studio Code
- Windows**
- Linux (Ubuntu)**

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