SRI CHARAN THOUTAM

Undergraduate Student

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EXPERIENCE

Machine Learning Intern
Mentorness

📅 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-Predicition-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

Boston House Pricing

Skills: Python, Scikit-learn, Pandas, NumPy, Docker, Render

- In this project, I built an machine learning model that predict the house price.
- Conducted tasks such as Data cleaning, EDA, Data preprocessing and Model development.
- Built a Docker image and pushed it to Docker Hub. To access the image, use "docker pull codewithcharan/bostonhousepricing:flask"
- Deployed it on Render cloud platform as a container.
- ⬡ `CodeWithCharan/CodeWithCharan/Boston-House-Pricing`
- 🌐 `bostonhousepricing-iljp.onrender.com/`

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**:
  - Render, Heroku, Netlify
  - Docker
- **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`

Kaggle - `kaggle.com/CodeWithCharan`

CERTIFICATES

Machine Learning with Python: `freecodecamp`

Intro to Machine Learning: `kaggle`

Intermediate Machine Learning: `kaggle`

LINKS

- in `CodeWithCharan`
- ⬡ `CodeWithCharan`
- 🌐 `codewithcharan.github.io/My-Portfolio`