SRI CHARAN THOUTAM

Undergraduate Student

thoutamsricharan@gmail.com | Warangal, India | CodeWithCharan | +918897523345 | CodeWithCharan

CAREER OBJECTIVE

To work with an organization where I can learn new skills and increase my abilities to contribute to both organizational goals and my personal growth.

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

Cat and Dog Image Classifier

- Developed a deep learning model to classify images of cats and dogs.
- Implemented a CNN architecture using TensorFlow and Keras.
- Achieved a classification accuracy of 63%
- CodeWithCharan/Cat-and-Dog-Image-Classifier

Book Recommendation Engine using KNN

- Built a book recommendation engine based on the KNN algorithm.
- Utilized the Book-Crossings dataset that contains 1.1 million ratings (scale of 1-10) of 270,000 books by 90,000 users.
- CodeWithCharan/Book_Recommendation_Engine_using_KNN

Linear Regression Health Costs Calculator

- Developed a linear regression model to predict health insurance costs.
- Processed data, split into training 80% and testing 20% sets, and prepared corresponding labels.
- Achieved accurate predictions with Mean Absolute Error below $3500 on the test dataset.
- CodeWithCharan/LinearRegression_Health_Costs_Calculator

Neural Network SMS Text Classifier

- Designed a neural network model to classify SMS messages as "ham" or "spam".
- Utilized the SMS Spam Collection dataset, already divided into train and test data.
- Implemented a function, 'predict_message', which takes a message string and returns a list. The first element indicates the likeliness of "ham" (0) or "spam" (1), while the second element represents the most probable category.
- CodeWithCharan/Neural_Network_SMS_Text_Classifier

TECHNICAL SKILLS

- **Programming Languages**: Python, Java, JavaScript, C
- **Data Structures & Algorithm**
- **Object-Oriented Programming (OOP)**
- **Problem-Solving**
- **Machine Learning**: TensorFlow, Natural Language Processing (NLP), Neural Networks, Convolutional Neural Networks (CNN), Recurrent Neural Networks (RNN), Long Short-Term Memory (LSTM), Reinforcement Learning, Scikit-learn, Pandas, NumPy, Matplotlib
- **Web Development**: HTML, CSS, Flask, Bootstrap
- **Databases**: MongoDB, SQL
- **Version Control**: Git
- **IDEs**: Visual Studio Code, Jupyter Notebook

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: Show Credential
Intro to Machine Learning: Show Credential
Intermediate Machine Learning: Show Credential

LINKS

LinkedIn - linkedin.com/in/CodeWithCharan
GitHub - github.com/CodeWithCharan
freeCodeCamp - freecodecamp.org/CodeWithCharan
Portfolio - codewithcharan.github.io/My-Portfolio