Sri Ram Yidala

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Links

Github:// SriRamYidala
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EDUCATION

WRIGHT STATE UNIVERSITY
M.S IN COMPUTER SCIENCE
GPA: 3.55 / 4.0 | May 2020

COURSEWORK

Object Oriented Programming
Data Structures and Algorithms
Web Development
Foundations Of AI
Introduction to Machine Learning
Deep Learning

GRADUATE TEACHING ASSISTANT
Introduction to Computer Science
(Spring 2018 – Present)

LANGUAGES

Proficient:
Python (Numpy, Pandas, Matplotlib) • Javascript (ES6) • SQL
HTML5 • CSS/Sass, PHP

Familiar:
C • Java • C++

TECHNOLOGIES

Experienced:
Flask • React
Bootstrap • Node.js • jQuery

Familiar:
Docker • Kubernetes

Databases:
Postgresql • MySQL
MongoDB

Tools:
Git • Jupyter Notebook
Visual Studio Code • MS Office

INTERESTS

Web App Development • Data Visualization • Machine Learning

Projects

RAMFLIX | CLONE OF NETFLIX USING JAVASCRIPT, PHP AND MySQL

- Developed a full scale media responsive website from scratch front end libraries such as bootstrap and jQuery.
- It has all the features such as video controllers, preview videos, storing the user's video progress, searching for entities, editing their account information, and Paypal integration just like Netflix.

BUKFIND | A BOOK REVIEW WEBSITE USING FLASK

- Built a book review website from scratch with user authentication.
- It has features such as searching books, leave reviews for individual books, and see the reviews made by other people.
- Used a third-party API by Goodreads, another book review website, to pull in ratings from a broader audience.
- Finally, users will be able to query for book details and review programmatically via this developed website's API.

ROCK PAPER SCISSORS | GAME USING HTML, CSS AND JAVASCRIPT

- Built a UI game using only HTML, CSS, and Javascript where users pick a choice whereas computer pick a random choice and finally displays the result.
- It has features such as searching books, leave reviews for individual books, and see the reviews made by other people.

DIVIL | A PYTHON SPEECH ASSISTANT APP

- Built a speech assistant application using the speech recognition library and Google's text-to-speech API.
- It has features like giving voice commands to do certain things like asking it's name, searching on Google, finding places on a map and so on and have it talk back to us.

NETFLIX | RECREATED USING HTML, CSS AND JAVASCRIPT

- Recreated the Netflix front-end home page from scratch using HTML, CSS and Javascript for the dynamic functionality of tabs when clicked.
- Used modern CSS techniques like Grid, Flex, overlays, shadows, and so on.

MNIST DATA VISUALIZATION | VISUALIZED USING PCA AND t-SNE

- Built models using 60k training data points and tested with 10k data points.
- Using PCA and t-SNE, transformed 784 dimensions to 2 dimensions. In PCA, it is weaker due to lot of overlapping whereas in t-SNE, all the classes are nicely grouped without overlapping.

CERTIFICATIONS

PYTHON FOR EVERYBODY | GETTING STARTED WITH PYTHON
OFFERED BY UNIVERSITY OF MICHIGAN THROUGH COURSERA

PYTHON FOR EVERYBODY | PYTHON DATA STRUCTURES
OFFERED BY UNIVERSITY OF MICHIGAN THROUGH COURSERA.