

DHULSINGH GUGULOTHU

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EDUCATION

CVR College Of Engineering , Hyderabad M Tech (Master of Technology)_Electrical & Electronics Engineering (EEE) (74.0%)	2020 - 2022
Nishitha College Of Engineering & Technology, Hyderabad B Tech (Bachelor of Technology)_Electrical & Electronics Engineering (EEE) (61.0%)	2015 - 2019
Pragna Junior College, Warangal Intermediate_MPC (78.0%)	2013 - 2015
ZPSS Koyagudem, Warangal Secondary School Of Certificate (82.0%)	2012 - 2013

SKILLS

Frontend: HTML, CSS, Bootstrap, JavaScript, React.js

Backend: Python, Express, Node.js

Databases: SQLite

PROJECTS

Wikipedia Search Application (dhulwikipedia.ccbp.tech)

Developed custom wikipedia search application where user can search and view curated results and can see detailed explanation in wikipedia by clicking on the specific result

- Displayed list of search results with HTML list elements with hyperlink as url, styled list using CSS, Bootstrap and implemented responsiveness using Flex properties and CSS Box model.
- Fetched search results from server asynchronously using fetch GET HTTP API call. When a user clicks on a particular result, opens the website in a new tab by using the target attribute of the anchor tag in HTML.

Technologies used: HTML, CSS, JS, REST API Calls, Bootstrap

Movies App (Netflix/Amazon Prime Clone) (dhulprime.ccbp.tech)

Implemented responsive OTT platform app like Netflix/Amazon Clone where users can see movies like popular, trending, top-rated, and also can search movies and view specific movie details.

- Implemented different routes for features like login, home, popular, profile by using React Router components Route, Switch, Link.
- Implemented horizontal scrolling (In trending, top-rated, and originals sections) using React Third Party library called React Slick.
- Used Figma mockups to implement UI-rich and pixel-perfect React components.
- Explored open-source APIs for movies database and picked TMDb APIs for authentication, movies by category, and movie search APIs.
- Implemented username and password authentication and persisted login state using client storage.
- Implemented a protected route to ensure only authenticated users can access the pages like user profile, movies by category, etc.

Technologies used: HTML, CSS, JavaScript, React JS, Bootstrap, React Slick, Figma, client storage.

Chatbot (dhulchatbot.ccbp.tech)

Developed a mini Chatbot Application which initially wishes user and responds to user if user input matches to list of answers that chat bot maintains

- Displayed conversation between user and chatbot using HTML list elements , styled using CSS, Bootstrap.
- Displayed user input message using HTML form input element and reply from the chatbot dynamically in the UI by using JavaScript DOM Operations and Array push method. Implemented response from Chatbot by using Array filter method.

Technologies used: HTML, CSS, JS, Bootstrap

M.TECH PROJECT

1 .Power Quality Enhancement With Pso Based Optimization Of PI Based Controller For Active PowerFilter

In this project Inverter based AF namely shunt active power filter (SAPF)is used to mitigate the harmonics triggered by non-linear loads/ unbalanced loads in the source voltage and current by injecting the compensating currents.

The proposed APF is introduced to mitigate most of the harmonics and rebalance the supply.

The PI- controller is used with self-tuning to regulate the voltage of the DC-link for the proposed filter and its parameters is tuned and optimized by using intelligent technique with the particle- swarm optimization (PSO).

B.TECH PROJECT

2. Design And Implementation Of A Home Automation System For Smart Grid Applications.

home automation system for smart grid is designed and implemented. The system monitors temperature and humidity and controls air conditioning, lights and appliances. The Message Queuing Telemetry Transport protocol and Django web framework are used. A graphical user interface is developed to enable the user to control the devices remotely via a website.

Technologies used: Matlab Simulation, Django Python Web Framework

ACHIEVEMENTS

Paper Publishing

Publish at International Conference On Computational Intelligence in Machine Learning (ICCIML)