

Gangula Venkata Durga Nikhil Reddy

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EDUCATION

Sree Vidyanikethan Engineering College

B. Tech in Computer Science and Engineering

May 2024 | Tirupati, AP
Major GPA: 8.5 / 10.0

FIITJEE Junior College

Secondary High School
May 2020 | Vijayawada, AP
CGPA: 9.6/10.0

CONNECT:

GitHub: [@gvdnikhil](#)
LinkedIn: [@nikhilgvd](#)
GFG: [@gvdnikhil](#)

COURSEWORK:

- Computer Networks
- Machine Learning
- Cloud Computing
- Web Development
- DBMS
- Operating Systems

SKILLS

Programming

• C++ • Python • Java

Familiar

• NodeJS • JavaScript • PHP

Frameworks

• HTML • CSS • ReactJS
• Bootstrap • TailwindCSS

Software & Tools:

• Git • GitHub • SQL • Jupyter
• VSCode • LINUX • Windows

Databases

• MySQL • MongoDB

Languages

• English • Hindi • Telugu

Projects

Autocorrect using-NLP | Machine Learning

~Jun 2023

- I developed an autocorrect system using Natural Language Processing (NLP) techniques in Python.
- The project's tech stack includes Python for coding, regular expressions for text preprocessing, and libraries such as NumPy and pandas for data manipulation.
- This system offers one and two-letter edit corrections, aiding users in improving spelling accuracy in their text inputs.

Voice assistant Calculator | Frontend | JavaScript

~Aug 2023

- The Voice Assistant Calculator project is a web-based calculator application built using JavaScript and HTML. It enables users to perform mathematical calculations and provides voice input functionality for convenience.
- The project utilizes JavaScript for its core functionality, handling mathematical operations and user interactions. It leverages HTML elements to display calculation history and results. Additionally, it incorporates voice input capabilities by utilizing the Web Speech API.

Routemaster | Algorithm

~Sep 2023

- Route Master, this project is designed to help you find optimal travel routes and solve various travel-related problems using algorithms and data visualization.
- This web application is developed using HTML, CSS, and the Tailwind CSS framework for the frontend. The backend functionality is powered by JavaScript, employing fundamental algorithms like Kruskal's and Dijkstra's algorithms, as well as minimum spanning tree, DFS, and BFS.
- These technologies and algorithms come together to create a versatile and interactive platform for solving a variety of graph-related problems and optimizations.

PHP CRUD Application | Database

~Feb 2023

- Developed a PHP-based CRUD application with MySQL integration for efficient data management.
- Utilized HTML and Bootstrap for the frontend interface, allowing users to create, Read, Update and Delete (CRUD) records in the MySQL database through a user-friendly web form.
- Implemented error handling for user feedback and ensured data integrity.
- This project demonstrates proficiency in web development, PHP scripting, MySQL database management, and user interface design.

Certifications

AWS Academy Cloud Foundations - AWSacademy

AWS Academy Machine Learning Foundations - AWSAcademy

PCAP: Programming Essentials in Python - Cisco Networking Academy

Problem Solving (Intermediate) - Hacker rank

AWARDS

- 2023 top 6 /250 KIMO AI Quiz

Extracurricular activities

- Organized Quiz events in our college as a part of CETA (Association)
- CETA Member Feb 2021- Mar 2024
- Ability to solve Technical Errors related to Software and hardware.