CONTACT

shyamramp22@gmail.com

ShyamInCode

shyamram12

+91 7815802289

SKILLS

Python

C, C++

JavaScript

SQL

Data Structures (C++)

React.js

Node.js

Express.js

Machine Learning

Algorithms

Data Visualization

MongoDB

MySQL

Bootstrap

jQuery

HTML

CSS

PATNALA SHYAM RAM

EDUCATION

B.Tech - Chemical Engineering (CGPA - 7.25)

IIT - Hyderabad, Telangana

Intermediate - M.P.C (APBIE) (CGPA - 9.94)

Sri Chaitanya, Visakhapatnam

Class X. - BSEAP (CGPA - 9.3)

S.F.S High School, Visakhapatnam

PROJECTS

Blog Application (MERN Stack)

Tool: React.js, RESTful APIs, CRUD operations

Built a web application for users to create and edit blogs using MERN stack. Implemented authentication and authorization features to secure the access to the app.

Amazon User Segmentation

Tool: K-Means Clustering, Matplotlib

Employed the K-Means clustering algorithm to segment Amazon users based on their behavior. Utilized the elbow method to determine the optimal number of clusters. Visualized the results using Matplotlib.

Personal Portfolio Website

Tool: JavaScript, BootStrap, jQuery, HTML, CSS

Developed a dynamic portfolio website using JavaScript, jQuery, and Bootstrap to showcase web development skills and successfully deployed the website on AWS.

Real-time Stock Price Data Visualization

Tool: Python, Streamlit, Matplotlib

Developed an interactive Python app using Streamlit and Matplotlib to visualize real-time stock prices of different companies.

Algorithm Visualizer

Tool: Algorithm implementation, Web Audio API

Developed an interactive web application for education purpose showcasing sorting algorithm using basic HTML, CSS and JavaScript with an auditory feature via Web Audio API.

Walmart Sales Data Analysis

Tool: MySQL, Feature Engineering, Data Wrangling

Explored sales data from three different branches using MySQL to understand top-performing products, sales trends, and customer behavior.

Path Finding Visualizer

Tool: python, Algorithm Implementation

Implemented a GUI for optimal path finding in a randomly generated maze using the A* algorithm, with real-time visualization of algorithm's progress and paths by highlighting visited nodes.

2024

2023

2019

2017

2024

2024

2023

2023

2023

2023

Cloud

OTHERS

Git, Postman, OOPS, Matlab, DBMS, NumPy, Pandas, Scikit-Learn, MySQL, PostgreSQL, Mongoose, Matplotlib, seaborn, Jupyter Notebook **SIR Virus Simulation**

Tool: C

Developed a SIR (Suspect, Infect, Recovered) Graph Model to simulate the spread of COVID-19 epidemic within a time frame.

Database Management of Scientific Publications

2023

Tool: PostgreSQL, python

Created and implemented a robust relational database using a Python script, and successfully executed intricate PostgreSQL queries to retrieve targeted information.

ACHIEVEMENTS

- Secured AIR 11375 in JEE Advanced out of 1.6 Lakh candidates.
- Secured 5426 Rank in AP Eamcet out of 3.38 Lakh candidates .