K Samba Shiva Reddy

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EDUCATION

RV Institute of Technology and Management, Bengaluru Dec 2021 – Present

- Bachelor of Engineering in Computer Science, **CGPA: 8.01**

TECHNOLOGIES

Languages: HTML, CSS, JavaScript, C, C++, Python, Java
Developer Tools: VS Code, Eclipse, PyCharm
Frameworks: Django
Databases: MySQL

RELEVANTCOURSEWORK

•DATASTRUCTURES •DBMS •OOPS •COMPUTERNETWORKS •OPERATINGSYSTEMS

PROJECTS

College Event Management System 2024

- An all-in-one solution to manage events for College students.
- Designed and developed a comprehensive college event management system using MySQL, PHP, HTML, CSS, and Bootstrap technologies, ensuring efficient data storage and retrieval through well-structured database schemas and queries.
- Created a user-friendly interface with HTML, CSS, and Bootstrap. Implemented dynamic functionalities and event registration features with PHP. Collaborated with stakeholders to meet specific college community requirements and adhere to best practices in web development.

Academic Performance Tracker and Grade Point Calculator 2023

- An all-in-one solution to manage events for College students.
- A comprehensive web application for calculating and managing academic grades.
- Developed a robust Django-based application using Python, HTML, and CSS.
- Structured models for Student, Semester, and Grade to manage data efficiently.
- Implemented user roles, secure login, and personalized access for administrators and students.
- Used Django models to store data, accepting input through SQLite queries.
- Enabled dynamic grade calculations, multi-semester tracking, and data persistence.

LRU Cache Visualizer 2022

- A simple solution to understand how LRU cache works in real time
- Designed and developed a cache simulator using the Least Recently Used (LRU) algorithm in CPP, OpenGL.

  Incorporating efficient data structures such as a doubly linked list and hash map to manage cache frames, ensuring optimal performance and accurate simulation of cache operation.
- Created a robust system for tracking page references and dynamically adjusting cache contents, enhancing system performance by minimizing page faults and efficiently handling frequent access patterns and cache replacements.

INTERNSHIPS

The Business Sentinel, Graphics Design Intern Oct-Nov 2023

Acmegrade, Data Science Intern Nov-Jan 2024

ACHIEVEMENTS

Programming for Everybody (Getting Started with Python) August 2023

Data Structures and Algorithms using C and C++, Udemy September 2023

EXTRA-CURRICULAR ACTIVITIES

Green Campus Award (For volunteering and efforts in the 100 School Green Campus Campaign) 2023

Art of Living Seva Volunteer (Engaged in service activities, finding joy in giving back to society) 2023

NSS Camp Volunteer (Led campus refurbishment projects, improving conditions for 600+ students) 2024