# K Samba Shiva Reddy

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## TECHNOLOGIES

**Languages:** HTML, CSS, JavaScript,C# C, C++, Python, Java
**Relevant Course Work:** DSA, DBMS, OOPS, CN, OS
**Developer Tools:** VS Code, Eclipse, PyCharm
**Frameworks:** Django, ReactJS, .NET Core
**Databases:** MySQL, SQLite

## WORK EXPERIENCE

**YHills,** Full Stack Development Intern                                    2024

- Developed a full-stack **Course Management Portal** using ReactJS, Node.js, Express, and MongoDB with secure authentication and CRUD operations.
- Designed a responsive UI and deployed the application using Render with GitHub-based CI/CD integration.

**Acmegrade**, Web Development Intern                                    2023

- Developed a responsive **calculator web application** using HTML, CSS, and JavaScript.
- Applied core web development principles to build interactive UI and ensure cross-browser compatibility.

## PROJECTS

**College Event Management System**                                    2024

- Developed a full-stack College Event Management System using PHP, MySQL, HTML, CSS, and Bootstrap to streamline event planning and student registrations.
- Implemented dynamic event registration, user-friendly UI, and efficient data management to meet college-specific requirements.

**Academic Performance Tracker and Grade Point Calculator**                                    2023

- Built a Django-based Academic Performance Tracker and Grade Point Calculator using Python, HTML, and CSS to manage student data and compute grades dynamically.
- Implemented secure login, user roles, multi-semester tracking, and data persistence using Django models and SQLite.

**LRU Cache Visualizer**                                    2022

- Developed an interactive LRU Cache Visualizer using C++ and OpenGL, simulating real-time cache operations with efficient data structures like doubly linked list and hash map.
- Implemented dynamic cache tracking and page replacement logic to demonstrate performance optimization and reduce page faults through visualization.

## EDUCATION

**RV Institute of Technology and Management, Bengaluru**                                    Dec 2021 – June 2025

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

## ACHIEVEMENTS

- **Solved 300+** coding problems on **LeetCode** and **GFG**, strengthening problem-solving and algorithmic skills.
- Completed "Programming for Everybody (Getting Started with Python)" course, gaining a strong foundation in Python programming basics.
- Completed **"Data Structures and Algorithms using C and C++"** course on Udemy, enhancing proficiency in core DSA concepts and problem-solving techniques.

## EXTRA-CURRICULAR ACTIVITIES

- Received the **Green Campus Award** in 2023 for volunteering in the 100 School Green Campus Campaign.
- Served as an **Art of Living Seva Volunteer**, actively participating in community service and social impact initiatives.
- Contributed as an **NSS Camp Volunteer** in 2024, leading campus refurbishment efforts benefiting over 600 students.