ROHITH M

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Education

Amrita Vishwa Vidyapeetham	**September 2021 - Present**
Bachelor of Technology, Computer Science & Engineering	CGPA: 8.44/10	Coimbatore, India
Bharatiya Vidya Bhavan, Poochatty	**2019 - 2021**
Higher Secondary	AISSCE: 95.4%	Kerala, India
Bharatiya Vidya Bhavan, Poochatty	**2009 - 2019**
Secondary School	AISSE: 95.4%	Kerala, India

Projects

Low Light Image Enhancement | Python | CNN | GitHub Link   **Group Project**

- Performed image enhancement on a set of low-light images using Convolutional Neural Networks (CNN) in Python.
- Utilized libraries such as TensorFlow for building and training the CNN model, and OpenCV for image processing tasks like reading and resizing images.
- Implemented a custom multi-branch Convolutional Neural Network (CNN) using the Keras Functional API to create a more complex, non-sequential model for image enhancement, enabling independent processing through diverse branches and enhancing feature learning.
- The model significantly improved the quality of low-light images, making them clearer and more detailed.

Spelling Checker | Python | Trie & Hash | GUI | Tkinter | GitHub Link   **Group Project**

- Collaborated with a team of 4 to develop a spelling checker and suggestion system using Trie and hash table for word validation in user inputs and files.
- Implemented a dynamic spelling suggestion system, offering upto 5 relevant corrections by utilizing a hash table for efficient storage, enhancing user experience.
- Designed a reliable hashing mechanism, ensuring data integrity and enabling fast suggestions within the system.
- Developed a user-friendly Tkinter interface, optimizing interaction and usability of the application.

Calculator | C | CLI | GitHub Link   **Group Project**

- Worked with a team of 5 in developing a versatile and powerful calculator using C language and has around 1200 lines of code, with a user-friendly command-line interface (CLI) application.
- Supports a wide variety of mathematical operations, including arithmetic operations, sequence and series, complex operations, vector operations, number system conversion, fraction operations, permutation and combinations, matrix operations, and solving linear equations.

CakeDay | HTML, CSS, JavaScript | Link   **Individual Project**

- User-friendly desktop website that allows users to explore and order nearly 20 cakes online.
- Uses form validations for booking and online payment page to ensure that the information entered by users is valid.
- A send feedback form allows users to provide feedback about their experience on the website.
- Form validations are done with JavaScript to make the website more responsive and user-friendly.

Technical Skills

Areas of Interest: RDBMS, Front-end Web Development

Languages: Python, C++, C, HTML, CSS, JavaScript, MySQL

Tools & Technologies: VS Code, Keil, Eclipse, Google Colab, Git, Wireshark, Canva

Awards / Extra-curricular

Teachnook | Data Science | Course Completion Certificate| Link
Canva Creator | VirtualSprayPaint | Instagram Link
Google | The Fundamentals of Digital Marketing | Course completion | Link
Digital Poster Competition | FIT INDIA WEEK-2023 | First Place
Football Player | Represented CSE Department