BHUMIKA A

COMPUTER SCIENCE AND ENGINEERING

Mysuru, Karnataka | bhumibhumika054@gmail.com | 6362585196 | github.com/BhumikaArun

Driven and innovative Computer Science Engineering student with a passion for developing impactful software solutions and leveraging cloud technologies. Skilled in programming and web development, with a proven ability to collaborate effectively and deliver results in dynamic environments.

TECHNICAL SKILLS

- **Programming Languages:** C, Python, Basics of Java
- **Web Development:** HTML, CSS, Bootstrap
- **Databases:** SQL

CERTIFICATIONS

- **Google Cloud Career Readiness Program** – Associate Cloud Engineer Track
- **CIDECODE Hackathon** – Certificate of Participation
- **Build Your Own Robot** – Holoworld

PROJECTS

1. Library Management System

- **Technologies:** PHP, MySQL
- **Description:** Developed a comprehensive Library Management System aimed at automating library operations.
- **Features:**
  - Member Management: Implemented CRUD (Create, Read, Update, Delete) operations to efficiently manage library members and their details.
  - Book Catalog: Created a structured and categorized view of books, including sections for new, old, lost, and damaged items.
  - Search Functionality: Designed an intuitive search interface to locate books easily by title or author, improving user experience.
  - Admin Access: Built a secure admin login system, with functionality to add and manage multiple admin users, ensuring data protection.
- **Responsibilities:** Focused on back-end development with PHP and database management using MySQL. Enhanced data integrity and ensured efficient system performance.

2. Weather App

- **Technologies:** HTML, CSS, JavaScript, OpenWeatherMap API
- **Description:** Developed a real-time weather application that provides weather data for user-input cities.
- **Features:**
  - Real-Time Data: Integrated the OpenWeatherMap API to fetch and display current weather information dynamically.
  - Responsive UI: Designed a user-friendly and mobile-responsive interface using HTML and CSS.
  - Error Handling: Used JavaScript to manage API data handling, validate user inputs, and provide appropriate feedback for incorrect city names or API errors.
- **Responsibilities:** Focused on API integration, front-end development, and implementing error checking mechanisms for reliable data presentation.

3. Snake Game
- **Technologies:** Python, Turtle Graphics
- **Description:** Created a classic Snake Game using Python, incorporating object-oriented programming (OOP) concepts.
- **Features:**
    - Gameplay Mechanics: Developed random food generation for the snake and implemented logic for snake growth and movement.
    - Collision Detection: Added algorithms to detect collisions with the game boundaries and the snake itself.
    - Score Display: Designed an interface to display the player's score, updating dynamically based on game progression.
- **Responsibilities:** Utilized Python's Turtle Graphics library for game visuals and managed game logic to ensure smooth performance.

4.Hangman Game
- **Technologies:** Python
- **Description:** Built a text-based Hangman game with Python, focusing on logic and interactive gameplay.
- **Features:**
    - Random Word Selection: Integrated a word list for random word generation to keep the game engaging.
    - Life-Based Display: Designed a visual representation of lives left, depicting the Hangman figure progressively.
    - Win/Lose Logic: Developed winning and losing conditions, allowing the player to guess until the game is either won or the Hangman is completed.
- **Responsibilities:** Wrote efficient Python code to manage game states, ensure smooth user interaction, and provide a fun, challenging experience.

EDUCATION

Bachelor of Engineering   **2021-Present**
Vidyavardhaka college of engineering, Mysuru, KA
- Computer Science and Engineering
- CGPA: 8.99

Pre University   **2019-2021**
- Sri Siddaganga PU college, Davangere, KA
- Percentage: 88.16%

SSLC   **2019**
- Amrita Vidyalayam, Davangere, KA
- Percentage: 78%

ADDITIONAL INFORMATION

- **Languages:** English, Hindi, Kannada
- **Soft Skills:** Time Management, Effective Communication, Leadership and Team Coordination, Adaptability and Collaboration
- **Volunteering and Leadership:** Community Outreach Volunteer, Event Coordinator, College Fest

DECLARATION

I hereby declare that all the information provided above is true and correct to the best of my knowledge and belief.

Bhumika A