Jummidi Suchi

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Summary

Innovative individual with proven success evaluating requirements for software development projects to design innovative solutions. Out-of-the-box thinker and problem solver dedicated to improving performance. Works well in teams and consistently delivers to deadlines.

Technical Skills

- SQL database management
- HTML &CSS
- OOPS
- problem-solving
- Python programming
- Strong communication

Education

- 2024 Vaagdevi Degree and PG college **–** Hanamakonda **Master of computer application (MCA).**
- 2022 Rishi UBR Degree college for women- JNTUH, Hyderabad **Bachelor of science (BSC Computers).**
- 2019 Sri Chaitanya Junior college – ChandaNagar, Hyderabad **MPCs.**
- 2017 Manjeera high school-Isnapur, Patancheru mandal **Secondary school certificate (SSC).**

Languages

- English

- HINDI
- Telugu

Certifications

- **Programming Essentials is Python** through ICT Academy CISCO.
- **Introduction to Databases** through NXTWAVE**.**

Hobbies and interests

- Listening music
- Coding and Problem Solving in hacker rank
- Games
- Cooking

Projects

1. **University Management System Using Python and OOP:**

- **Description:** Developed using Python and Object-Oriented Programming (OOP) principles, the system models the relationships between various entities, including universities, departments, courses, students, and faculty.
- IDLE is Integrated Development and Learning Environment is designed to help developers write, test, and debug Python code in a user-friendly interface
- **Technologies Used**: Python (IDLE), Object-Oriented Programming (OOP)
- **Key Contributions:** This system demonstrates key **object-oriented programming (OOP)** principles like encapsulation, inheritance, polymorphism, and the use of class methods, static methods, and instance methods.
- **Outcome:** This project simplifies the management of universities, students, faculty, courses, and departments. It provides a strong foundation for implementing additional features, making it a practical solution for educational institutions**.**

2. **Virtual Assistance Using Python:**

- **Description:** Developed a voice-activated virtual assistant using Python that listens to user commands and responds with text-to-speech. The

assistant can perform tasks such as checking the time, opening websites, sending emails, and locating places on Google Maps. It integrates libraries like SpeechRecognition for voice input, gTTS for text-to-speech output, and Tkinter for creating a simple graphical user interface (GUI).

- **Technology/Tools Used:** Python, SpeechRecognition, gTTS, Tkinter, Webbrowser.
- **Key Features:**
- Voice recognition to understand user commands.
- Text-to-speech output to provide spoken responses.
- Simple GUI interface to display real-time updates.
- Capabilities to perform web searches, open websites, and locate places on Google Maps.
- Email sending functionality through the use of the smtplib library.
- **Outcome:** Developed a Voice-Activated Virtual Assistant using Python, integrating libraries like gTTS, SpeechRecognition, and Tkinter. The assistant listens for user commands, responds with both text and audio, and performs tasks such as providing the current time, opening websites, and locating places. The system demonstrates strong knowledge of speech processing and GUI development, with a focus on user interaction and automation.
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Declaration

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