



HYNY SYAMALA

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Education

Vellore Institute Of Technology

Bachelor of Technology in Computer Science

2021-2025

Amaravati

Relevant Coursework

- Data Structures
- Software Engineering
- Web Technologies
- Database Management
- Artificial Intelligence
- Operating Systems
- Algorithms
- Computer Networks

Experience

BYTE XL

September 2023 – December 2023

AWS Trainee

- Implemented a fully-functional event registration application integrating front-end technologies (HTML, CSS, JavaScript) with AWS services.
- Optimized backend logic using AWS Lambda, achieving a 30% reduction in response time for API requests.
- Utilized S3 for static content storage, ensuring quick access and efficient content delivery, with a 50% improvement in page load times.

Chegg

Freelance

Subject Matter Expert Computer Science

- Provided in-depth solutions and explanations to complex computer science problems, covering topics such as algorithms, data structures, programming, and more.
- Contributed to a knowledge base of solutions that has been accessed by over 10,000 students worldwide.

Projects

Voice Medi Bot | *Python, Google Speech Recognition API, TextBlob*

- Developed a voice-based feedback system to enhance communication between patients and healthcare providers.
- Integrated Google Speech Recognition API to convert spoken words into text, improving communication between patients and healthcare providers.
- Implemented sentiment analysis using TextBlob to assess patient feedback, translating it into star ratings for more intuitive understanding of patient satisfaction.
- Implemented a PHP-based backend to manage data interactions and integration, including storing and retrieving feedback data.

Smart Gloves for Mute People | *Arduino, C++*

- Designed and developed a smart gloves system to assist mute individuals in communication by translating hand gestures into text.
- Utilized Arduino as the main control unit to process gesture data and control the system's functionality.
- Integrated an LCD display to visually output the translated text, providing clear communication support.

IoT-Based Web Controlled Home Automation | *HTML, CSS, JavaScript, IoT*

- Developed an IoT-based system that allows homeowners to remotely control appliances and devices via the internet, enhancing convenience and energy efficiency.
- Developed the front-end of the control website using HTML, CSS, and JavaScript, ensuring a user-friendly interface for seamless interaction with the home automation system.

Technical Skills

Languages: Java, HTML/CSS, SQL

Developer Tools: VS Code, Eclipse, AWS

Technologies/Frameworks: GitHub

Certifications

AWS Certified Cloud Practitioner

POSTMAN API Student Expert

NCC A Certified