Harshith G

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Objective

Aspiring IT professional with hands-on knowledge of Python, SQL, and web technologies, seeking a role to apply analytical thinking and develop scalable solutions while continuously learning modern tools and frameworks.

Education

- **Bangalore Institute of Technology**   Karnataka, Bangalore , India
  Masters Of Computer Applications; CGPA: 8.2   *Feb 2024 - Sep 2025*

- **Vijaya College**   Karnataka, Bangalore , India
  Bachelor of Science; CGPA: 7.6   *Sep 2020 - Sep 2023*
  Courses: *Electronics , Math , Computer Science*

Skills Summary

Database Management: SQL
- Strong understanding of **SQL syntax, data types, and core relational database concepts**
- Proficient in **retrieving, filtering, and sorting data** using SELECT, WHERE, ORDER BY, and LIMIT
- Basic knowledge of **table joins**.
- Hands-on experience with **GROUP BY** and **aggregate functions** such as COUNT, SUM, AVG, MIN, and MAX
- Ability to write **simple subqueries** and apply conditional logic for data analysis.

Web Development: HTML, CSS, JavaScript
- Proficient in **HTML5, CSS3, and JavaScript** for building modern web interfaces
- Experience in **front-end development** with focus on **UI development** and usability
- Good understanding of **responsive web design** using flexible layouts and media queries
- Hands-on experience with **DOM manipulation** for dynamic web content
- Familiar with **Browser Object Model (BOM)** including events, popups, and timing functions
- Implemented **basic CSS animations and transitions** to enhance user interaction

Python:
- Basic understanding of **Python syntax and core concepts**
- Familiar with **Python data types** such as numbers, strings, lists, tuples, sets, and dictionaries
- Knowledge of **Python operators** and expressions
- Ability to write **simple Python programs** using conditional statements and loops
- Basic understanding of **functions** and **Object-Oriented Programming (OOP) concepts.**

Projects

- **Audio To Sign Language Translator**:
  1. Developed an Audio-to-Sign Language Translator that converts spoken audio into animated sign gestures for accessibility.
  2. Used **Python**, **Speech Recognition** for speech-to-text, and **NLTK** for text cleaning, lemmatization, and phrase mapping.
  3. Built a **gesture-mapping system** linking processed text to pre-recorded sign videos or fallback letter-by-letter signs.
  4. Implemented a simple **frontend** to visualize gesture sequences and evaluate accuracy and timing.

Publications

- **Thesis: Audio-to-Sign Language Translator** : Thesis published on International Journal of Scientific Research in Engineering and Management (IJSREM) on Volume 09, Issue 08 August 2025.

Course/Certification

- Python - May, 2025 - NICT
- Introduction to Ethical Hacking - Nov, 2024 – VTU