Sriramula Gowtham

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# OBJECTIVE

# To obtain a software development position where I can apply my skills in full-stack development, database management, and UI/UX design. I aim to contribute to building efficient, user-focused digital solutions while continuously learning and growing in a dynamic technology-driven environment.

# EDUCATION

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| Malla Reddy College of Engineering and Technology, HyderabadBachelor of Technology, Computer Science and Engineering (8.6 CGPA) | 2021 - 2025 |
| NxtWave CCBP 4.0 Intensive Program (Ongoing)Full Stack Development – Python, JavaScript, React, SQL | 2024 – Present |
| **Nalanda Junior College** | **2019 - 2021** |
| Intermediate -MPC **(90%)** |  |
| **Sri Viveka Vardhani High School** | **2018-2019** |
| Secondary School Certificate **(8.2 GPA)** |  |

**PROJECTS**

**Major: Searchable and Verifiable Data Protection for Scholarly Big Data (2025)**

**Role: Team Leader**

* Designed a secure cloud-based system for protecting and searching scholarly big data.
* Implemented encrypted keyword search and data integrity verification using a trusted third party.
* Introduced a novel system model with cube-based storage to enhance efficiency and security.
* Technologies used: JSP, Apache Tomcat, SQL, Cloud Computing.

**Wikipedia Search Application** *(2024)*

**Role: Team Leader**

* Led a team of developers to build a **custom Wikipedia search application** that allows users to search and view curated results.
* Designed and implemented a **responsive UI** using **HTML, CSS, Bootstrap**, and **Flexbox**.
* Integrated **REST API calls** to fetch search results dynamically and open Wikipedia links in a new tab.
* Managed **team coordination, task distribution, and troubleshooting** to ensure successful project completion.

**Sign Language Translator**

**Role:** Team Leader | **Year:** 2023

* Led a team in developing a real-time **Sign Language Translator** using **Python**, **TensorFlow**, and **OpenCV (cv2)**.
* Designed and implemented a custom **Convolutional Neural Network (CNN)** model to classify hand signs captured via webcam.
* Utilized **OpenCV** to detect hand gestures, extract contours, and connect nodes for input image preprocessing.
* Managed data collection and model training, applying **data augmentation** techniques to improve performance.
* Integrated real-time video feed with prediction display to convert signs into readable text for improved accessibility.
* Technologies used: **Python, TensorFlow, OpenCV, CNN, NumPy, Matplotlib**

**CERTIFICATIONS & TRAINING**

* Employability Skills - JobReady, Wadhwani Foundation (Oct 2024)

Completed 113 hours of training in communication, interview prep, and workplace readiness through CSC.

* NxtWave CCBP 4.0 Intensive Program (2024 - Present)
* Python Programming
* SQL and Database Management
* HTML, CSS, JavaScript
* Java Programming (In Progress)

# SKILLS

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# Languages: Python, JavaScript, Java (learning)

* **Frontend Development:** HTML, CSS, Bootstrap, JavaScript, React.Js
* **Backend Development:** Python
* **Databases:** SQL
* **Additional Skills:** UI/UX Design (**Basic**), React.Js (**Basic**)

**Workshops & Training**

* **UI/UX Design Workshop**
* **Power BI Workshop**