

Work Sample Portfolio link <https://vasanthselvaportfolio.netlify.app/>Linkedin: <https://www.linkedin.com/in/vasanth-selvakumar/>

CAREER SUMMARY

- As a computer science engineer, specialize in web development with HTML, CSS, JavaScript, REST APIs, Flask, Python, and database management with MySQL and MongoDB, ensuring scalable and effective web solutions.

SKILLS AND STRENGTHS

Front End Tools	HTML, CSS, Java script, React.js (Beginner), Figma
Back End Tools	Python (Intermediator), Flask, MySQL, MongoDB.
Developer platform	VS Code, Jupyter notebook, GitHub.

PROJECTS

Gym chart bot web application using NLP

(Feb 2024 - May 2024)

- Developed a chatbot using advanced NLP for personalized workout recommendations, enhancing user engagement and improving workout management.
- Implemented NLP to provide personalized fitness advice, significantly enhancing workout effectiveness. This solution also streamlined exercise tracking and management, leading to improved user interaction and more efficient routines.
- Technologies used: Flask framework, NLTK, TensorFlow, NumPy, and Pickle to develop robust machine learning models and deploy them, with Jupyter Notebook. facilitating efficient data analysis and visualization.
- Basic Requirements: Python Flask for the backend, HTML/CSS for the frontend, JavaScript for interactivity, MySQL for database management, and JSON for data interchange.

Sign Language Recognition using Python

(May, 2023 - July, 2023)

- Developed a sign language recognition system with 98% accuracy using OpenCV and MediaPipe, improving processing speed by 99%. Designed a visualization interface with Matplotlib for accurate gesture representation. Tested internally, demonstrating significant enhancement in gesture recognition efficiency and accuracy.
- Technologies used: Utilized OpenCV, Matplotlib, and Mediapipe to enhance visual data processing and analysis, significantly improving the accuracy and efficiency of computer vision tasks.
- Basic Requirements: Requires Python and a web camera for real-time sign language recognition.

EXPERIENCE

Lucas TVS, Chennai

(Mar, 2024 – May, 2024)

- Internship (3 months): Completed in-plant training at Lucas TVS, gaining hands-on experience in manufacturing and quality control processes.
- Spearheaded the integration of a robust quality management system within the spare parts export process; this initiative increased compliance with international standards, resulting in a 94% decrease in customer return rates.
- SOP Documentation: Developed and implemented standard operating procedures for equipment operation, enhancing training efficiency and reducing onboarding time by one week.

CERTIFICATES

- Industry visit Certificate for “React” domain from DLK career development participated and focused on React development, gaining practical insights into modern web development practices and technologies acquired valuable knowledge.

EDUCATION

Bachelor of Engineering (B.E), Computer Science & Engineering

(2020 - 2024)

Chendhuran College Of Engineering And Technology CGPA: 7.5/10