Yuvaraj M

9353528885 | *Portfolio*| LinkedIn | Github

EDUCATION

Atria Institute Of Technology — Bangalore, IN
Bachelor of Engineering in Computer Science
*Currently with a CGPA of **7.9** over 5 semesters* — *July. 2022 – July. 2023*

St Joseph's Pre-University College — Bangalore, IN
12th Std
*Graduated with an overall score of **54%*** — *June. 2020 – May 2022*

St Ann's High School — Bangalore, IN
10th Std (ICSE)
*Graduated with an overall score of **84%*** — *June. 2010 – July. 2020*

EXPERIENCE

Student Research Assistant (On-Site) — Oct 2024 – Jun 2025
Atria Institute of Technology — Bangalore, IN

- Under Prof. Dr. B.P. Pradeep Kumar on ASL Sign Recognition, contributing to literature review, gaining insights from reference papers, and driving impactful research advancements.

Software Development Intern (Virtual) — Jan 2025 – Mar 2025
Code Alpha — Bangalore, IN

- Developed programs finding Fibonacci series efficiently and program on student grades tracker which efficiently calculates the marks and stores the data efficiently and I have the whole code in Github

PROJECTS

Epic Eats Express | *React, CSS, HTML, JavaScript, Python*

- Developed a full-stack web application for restaurants, enabling users to effortlessly place food orders and generate digital PDF bills. All orders are seamlessly transmitted to a backend server for efficient processing and storage.
- Live: https://foddie-react.vercel.app/

Vehicle Hub | *HTML, CSS, JavaScript*

- Developed a HTML, CSS and JavaScript based responsive multi-page web site and developed an informative content in the form of Two- Wheelers, Four- Wheelers and Heavy Vehicles. The place provides a user-friendly interface to learn about car features, details and pictures in the best automakers.
- Live: **vehiclehub.netlify.app**

Quantum Computing Using Blockchain| *Python, Plotly, Streamlit, Shell, Batchfile, Qiskit*

- Developed a comprehensive Streamlit application that demonstrates the impact of quantum computing on blockchain cryptography, featuring real quantum simulations and interactive security analysis.
- Link: https://github.com/avdyuvaraj/Quantum_Computing_Using-_Blockchain

Quantum Computing Using Neural Network| *Python, Plotly, Streamlit, Shell, Batchfile, Qiskit*

- This study goes into the process of combining both Quantum Computing and Neural Networks in order to create new hybrid models of computation. The main task is to model and experiment the processes through which the elements of quantum can essentially enhance the effectiveness of a neural network and the problem-solving capabilities on conventional systems.
- Link: https://github.com/avdyuvaraj/Quantum_Computing_Using_Neural_Networks

ASL Gesture Recognition System| *Python, TensorFlow, CV Zone, ML*

- Created and built an ASL gesture recognition system that achieved an over 90% accuracy rate which was later published as a research publication. This work established a solid base to the future real-time sign language translation applications, utilizing ML and improving the access to the Deaf community immensely.
- Link: https://github.com/avdyuvaraj/ASL-recognition-system-

KSL Gesture Recognition System| *Python, TensorFlow, CV Zone, ML*

- Successfully re-engineered an ASL based gesture recognition system to perfectly recognize KSL (Kannada Sign Language). This is a relevant form of adaptation that gives important assistance to the Deaf community in a particular native area since it helps to overcome the problem of communication.

TECHNICAL SKILLS

Languages: Java, Python, SQL (MySQL), JavaScript, HTML/CSS
Frameworks: React, Node.js, Flask
Developer Tools: Git, Docker, AWS, Google Cloud Platform, VS Code, PyCharm, Eclipse, Yarn
Libraries: pandas, NumPy, Matplotlib
Writing: Research Paper Content Writing
Productivity Tools: Microsoft Word, Excel, PowerPoint

Language

- Kannada (Fluent)
- English (Fluent)
- Tamil (Native)
- Hindi (Conversational)