

SHYLAJA S



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🌐 github.com/SHYLAJAS2001

PROFESSIONAL SUMMARY

A professional Looking for challenging and exciting opportunities which will give a considerable degree of responsibility that enhances my skill and knowledge.

EDUCATION

M.Sc Computer Science,

Sri Paramakalyani College, MS University

2021 – 2023

Percentage : 91%

B.Sc Computer Science,

Sri Paramakalyani College, MS University

2018 – 2021

Percentage : 93.1%

TECHNICAL SKILLS

- **Programming Languages:** C++, C
- **Web Development:** HTML
- **Database Management:** Oracle (Basic)
- **Cloud Computing:** Fundamentals (Basic)

SOFT SKILLS

- Hardworking
- Quick Learning
- Good Communication
- Leader of My Team (Teamwork)
- Type Writing (English and Tamil)

PROJECTS

Enhancing Agricultural Efficiency through Machine Learning and Image Processing: A Comprehensive Study [🔗](#)

2023

- Implemented a machine learning-based system for precision agriculture, leveraging image processing techniques to predict soil methane levels and food calorie values. The system aids in crop selection and offers recommendations based on environmental factors like humidity, pH levels, temperature, and rainfall. Employed Python for backend development, integrating machine learning libraries for data analysis and prediction. Developed a user-friendly web interface for input and output interaction.
- **Technology Stack:** Backend: Python Libraries/Frameworks: OpenCV, Scikit-learn, TensorFlow Web Development: Flask, HTML/CSS Database: SQLite Tools: Git

Comparative Analysis of Image Segmentation Techniques for Currency Images [🔗](#)

2023

- Developed a Fake Currency Detection System using Python and OpenCV to identify counterfeit currency. The system employs image processing techniques like noise reduction and edge detection, utilizing filters such as Mean, Gaussian, and Median. The project enhances image clarity and segmentation accuracy, distinguishing genuine from fake notes by analyzing features and patterns
- **Technology Stack:** Programming Language: Python Libraries: OpenCV, NumPy, Matplotlib Environment: Jupyter Notebook

Blood Bank Management System [🔗](#)

2021

- Developed a Blood Bank Management System to manage blood stock and donor details efficiently. The system, built with ASP.NET and MySQL, allows admins to add, update, view, and remove donor and hospital information. Key features include tracking blood units, managing donor details, and providing quick data retrieval. This project replaced manual processes with a digital system, improving accuracy and operational efficiency.
- **Technology stack :** Front End: ASP.NET Back End: MySQL

ACHIEVEMENTS

University Rank Holder

- Manonmaniam Sundaranar University 9th rank holder in B.Sc. Computer Science

Typing Exam Certifications

- Typewriting exam for English senior grade: first-class with distinction (45 words per minute)
- Typewriting exam for English junior grade: first-class with distinction (30 words per minute)
- Typewriting exam for Tamil junior grade: first-class (30 words per minute)

AWARDS

MERIT CERTIFICATE

04/2024

- Awarded the MRS. MARIE BUCK MEMORIAL PRIZE for securing the highest marks in the aggregate in all the papers of M.Sc. Computer Science (2021-2023).

CERTIFICATE OF MERIT

04/2024

- Awarded for general proficiency in Computer Science - Major for the academic year 2022-2023.

DECLARATION

I hereby declare that the above particulars are true and correct to the best of my knowledge and I assure you that I will work in the right earnest and fulfill the expectations of my superiors.

CO-CURRICULAR

NSS(UNIT NO : 178, VOLUNTEER)

- As an NSS volunteer with Unit No. 178, I participated in a 7-day camp at Ravanasamudram, focusing on village cleaning, plantation growth, and road safety awareness.

BLOOD DONATION CAMP

- I regularly participate in blood donation camps, organizing and supporting awareness campaigns and donor care.

CERTIFICATIONS

TAMIL NADU STATE COUNCIL FOR HIGHER EDUCATION (TANSCH)

- Participated in the "International Seminar on Prevention and Control of Communicable Diseases" held at Sri Paramakalyani College, Alwarkurichi, during 6-7 February 2019.

ICONIX SOFTWARE SOLUTION, TIRUNELVELI & SRI PARAMAKALYANI COLLEGE, ALWARKURICHI, WORKSHOP ON DOTNET FRAMEWORK

- Attended a two-day workshop on C# Programming with SQL at Sri Paramakalyani College, Alwarkurichi, on 30th and 31st August 2019, organized by the Computer Science Department and conducted by Iconix Software Solution, Tirunelveli.