

RAMYA VS

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| [Ramya-Linkedin](#) |

Professional Summary

Recent Bachelor of Engineering graduate in Computer Science from SRM Valliammai Engineering College, with a strong foundation in programming, web development, database management, and machine learning. Proven ability to design and implement innovative applications through academic projects, including machine learning-based solutions. Now seeking to leverage technical expertise and problem-solving skills in a dynamic **Software Developer** role.

Technical Skills

- **Programming Languages:** Java, C, Python
- **Web Technologies:** HTML5, CSS3, JavaScript
- **Database Management:** SQL
- **Tools & Platforms:** Git, VS Code, PowerBi
- **Additional Skills:** Problem Solving, Communication, Teamwork
- **Languages:** Tamil, English, Malayalam, German

Education

Bachelor of Engineering in Computer Science
SRM Valliammai Engineering College, CGPA: 8.25/10.0

07/2022 – 05/2026

Projects

Plant disease detection

- **Technologies Used:** Python, TensorFlow, Keras, ResNet50, Matplotlib, HTML, CSS, potentially a web interface, SQLite3
- azBuilt a deep learning model using **ResNet50 and transfer learning** to classify diseases in crops (tomato, corn, pumpkin) with high accuracy, using **ImageDataGenerator** for data augmentation and **Matplotlib** for performance visualization.
- Developed a **scalable prediction system** offering remedy recommendations, with potential for **web deployment** using **HTML, CSS, and SQLite3/file-based storage** for managing predictions.

Ingredient Safety Analysis and Classification in Skincare Products Through Data Processing and AI Integration

- **Technologies Used:** Python, Flask, OpenCV, PyTesseract, Regular Expressions for backend logic and OCR; HTML, CSS for frontend design; Visual Studio Code as the development environment.
- Developed a **Python-Flask web app** enabling users to analyze skincare product labels via **manual text entry or image upload**, using **PyTesseract and OpenCV** for OCR-based text extraction.
- Implemented a **rule-based algorithm** to classify ingredients against a harmful substances database, with a **responsive HTML/CSS interface** providing real-time safety scores and feedback across devices.

Certifications

- Certificate in Power BI(01/25)
- German language A2 level (pursuing)

Academic Achievements & Activities

- **Mini project expo runners:** Won second prize in the mini project expo.
- **Coderizz Club:** Active member, contributing to collaborative coding events and technical workshops.