

# Jayaa Sri K

Bachelor of Technology (B.Tech) in Information Technology  
2021 - 2025



## CONTACT

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## PROFESSIONAL SUMMARY

Enthusiastic and self-motivated B.Tech IT graduate with hands-on experience in Machine Learning, Flutter app development, and Deep Learning projects. Skilled in Java and Web technologies. Eager to contribute to software development while continuing to learn and grow in a dynamic tech environment.

## EDUCATION

**THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI | 2021-2025**

**Bachelor of Technology in Information Technology**

- Obtained 8.27 CGPA (Updated upto 7th Semester)

**SRIVI LIONS MATRIC.HR.SEC SCHOOL | 2013-2021**

- Obtained 93.04% in HSE (XII)
- Obtained 92.6% in SSLC (X)

## INTERNSHIP

**TECH MANGO, MADURAI | DEC 2022 - JAN 2023**

**Flutter Developer**

- Gained hands-on experience in mobile application development using Flutter.
- Built an Expense Tracker app with CRUD features and shared preferences for efficient financial tracking.

**INLAB INTERN**

**THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI | JAN 2022 - FEB 2022**

**Machine Learning**

- Built a machine learning model to detect and estimate food calorie content from images, helping users track dietary intake.
- Gained hands-on experience in data preprocessing, model training, and evaluation.

## SKILLS

- Languages: Java
  - Web: HTML, CSS, JavaScript
  - Frameworks/Tools: Flutter, Flask, MySQL
  - AI/ML: Machine Learning, Deep Learning, XAI
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## CERTIFICATIONS

- Problem Solving using C – NPTEL
  - SQL Fundamentals – SoloLearn
  - Applied Data Science with Python – MOOC
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## RESEARCH PAPER PRESENTATION

- **Decoding Cosmetic Ingredients: A Comprehensive Approach to Toxicity Analysis and Safety Recommendations Using Advanced Machine Learning Models,**  
Presented at ICRTET 2024, Nanda Engineering College, Erode.
  - **Predictive Maintenance System for Tyre Manufacturing Company,**  
Presented at ICRTACES 2024, K.Ramakrishnan College of Engineering, Trichy.
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## PROJECTS

### **ASSISTANCE TECHNOLOGY FOR BLIND, DEAF AND DUMB** **HTML, CSS, JavaScript, Python (Flask)**

- Developed a machine learning project focused on creating assistive technologies to improve accessibility and communication for individuals who are blind, deaf, and nonverbal

### **FOOD CALORIE DETECTION** **HTML, CSS, JavaScript, Python (Flask)**

- Developed a system for detecting and analyzing food calorie content, aiding users in making informed dietary choices.

### **AGRICULTURE MANAGEMENT SYSTEM** **HTML5, CSS3, PHP, MySQL**

- Developed an agriculture management system employing HTML5, CSS3, PHP, and MySQL, with a primary aim to eradicate middlemen in agriculture.

### **TOXICITY ANALYSER ON COSMETICS** **Machine learning**

- Used machine learning techniques to create a toxicity analyzer for cosmetics, enabling the assessment and prediction of potentially harmful ingredients in cosmetic products.

DIAGNOSIS OF EYE DISEASES USING DEEP LEARNING  
AND EXPLAINABLE AI (XAI)

Deep learning, XAI (SHAP, Grad-CAM, LIME)

- Developed a deep learning model for the early detection of common eye diseases (Diabetic retinopathy, Cataract, and Glaucoma).
- Integrated explainable AI techniques to provide transparent, interpretable insights into model predictions, enhancing trust and aiding clinical decision making.

ACHIEVEMENTS  
AND  
PARTICIPATION

- Participated in IITM Build Club workshop.
- Won First Prize in Web Design Contest.
- Attended an intensive workshop on Augmented Reality & Virtual Reality.
- Served as Project Manager for all major academic projects.

EXTRA-  
CURRICULAR  
ACTIVITIES

- Participated in intra-college drawing and poster competitions.
- Volunteered at college tech symposiums and department-level events.
- Passionate about drawing, art journaling, and creative design beyond academics.

PERSONAL  
DETAILS

- Father’s Name: Kumaran K
- Date of Birth: 22/08/2003
- Gender: Female
- Status: Unmarried
- Nationality: Indian
- Known Languages: English(Fluent), Tamil(Native), Hindi(Basic)

DECLARATION I hereby confirm that the information given above is true to the best of my knowledge

K. Jayaa Sri

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