JAYAA SRI K

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SUMMARY

Motivated and passionate IT professional seeking an opportunity to apply my skills, embrace new challenges, and contribute effectively through continuous learning and innovation.

EDUCATION

Thiagarajar College of Engineering, Madurai — **Nov 2021 - May 2025**
Bachelor of Technology in Information Technology
Obtained 8.27 CGPA (Updated upto 7th Semester)

Srivi Lions Matriculation Higher Secondary School — **June 2013 - May 2021**
Obtained 93.04% in HSE (XII)
Obtained 92.6% in SSLC (X)

INTERNSHIP

Flutter Developer | Tech Mango - Madurai — **Dec 2022 - Jan 2023**
Gained hands-on experience in Mobile application development using Flutter.

Inlab Intern | Thiagarajar College of Engineering, Madurai — **Jan 2022 - Feb 2022**
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

- Java
- HTML and CSS
- SQL
- Flutter
- Machine learning

CERTIFICATES

- Completed NPTEL course on Problem Solving using C.
- Completed SQL course offered by Sololearn.
- Applied Data Science with python by MOOC.

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 eyediseases (diabetic retinopathy, cataract, and glaucoma). Integrated explainable AI techniques to provide transparent, interpretable insights into model predictions, enhancing trust and alding clinical decision making.

ACHIEVEMENTS

- Participated in IITM Build Club workshop.
- Participated in Web design contest and won first prize.
- Participated in an intensive workshop on Augmented Reality and Virtual Reality.
- Presented a research paper titled 'Decoding Cosmetic Ingredients: A Comprehensive Approach to Toxicity Analysis and Safety Recommendations Using Advanced Machine Learning Models' at the Second International Conference on Recent Trends in Engineering andTechnology (ICRTET 2024) held by Nanda Engineering College, Erode.

PERSONAL DETAILS

Father's Name: Kumaran K
Date of Birth: 22/08/2003
Gender: Female
Status: Unmarried
Nationality: Indian
Known Languages: English, Tamil, Hindi

DECLARATION

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

Jayaa Sri K