

# LAKSHMAN KUMAR ARUMUGAM

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## SUMMARY

Passionate MCA graduate with strong expertise in HTML, CSS, and JavaScript, and medium proficiency in Python. Experienced in deep learning projects during college and completed a virtual internship focused on data analytics, demonstrating a solid understanding of machine learning concepts. Seeking opportunities to leverage technical skills in a dynamic work environment.

## TECHNICAL SKILLS

**Programming Languages:** Python, C++, SQL, MYSQL, HTML, CSS JavaScript

**Deep Learning Frameworks:** TensorFlow, PyTorch, Keras

**Libraries & Tools:** NumPy, Pandas, Scikit-learn, OpenCV

## PROJECTS

### Deep Fake Detection Techniques Using Deep Learning

March 2024 – Aug 2024

Web Development- Deep Learning Project

Python, TensorFlow, OpenCV

- Developed a deep fake detection pipeline using deep learning for face identity swaps in videos and images
- Implemented pre-processing for face cropping and labelling, achieving high accuracy with the Efficient B0 algorithm
- Created a user-friendly interface for real-time detection, ensuring scalability and clear results

### Blood Donation System

Nov 2023

Web Development- Healthcare

Python, Django, Bootstrap, CSS

- Designed a Blood Donation System web application using Python and Django, enabling connections between donors and receiver
- Integrated user-friendly features that simplify access to donor information and enhance the donation process
- Established a robust backend to manage donor profiles, ensuring efficient data handling and user engagement

## EXPERIENCE

### Data Analytics Virtual Intern

Oct 2023

KPMG Forage

- Completed a virtual internship in data analytics and consulting
- Engaged in practical tasks including data quality assessment and deriving actionable data insights
- Developed Skills in presenting data insights effectively to support decision-making processes

## EDUCATION

### Ganathipathy Tulsi's Engineering College

M.C.A. in Computer Applications

Vellore, TN

Sep 2022 – Aug 2024

### Dr. M.G.R. Chockalingam Arts College

B.C.A. in Computer Applications

Arani, TN

June 2019 – May 2022

## CERTIFICATIONS

- Machine Learning through Edapt online certification program
- Green Technology through Edapt online certification program

## SOFT SKILLS

- Teamwork
- Problem-solving
- Communication
- Adaptability
- Leadership
- Time Management