**SRIRAM S**

**PROFILE**

An extremely enthusiastic, passionate and aspiring Computer Science Engineer, seeking an entry level position at Esteemed Organization, with special interests in areas like Data Structures and Algorithms, Machine Learning, Deep Learning, TinyML and other related areas, with a constant motivation to learn new skills and to improve and refine existing skills, resulting in both personal development and professional growth.

**EDUCATION**

* **B.Tech Computer Science and Engineering**

**CGPA – 8.91 / 10 2019-2023**

Amrita Vishwa Vidyapeetham

* **Class 12** – 91.6% **2019**

Institution:

* **Class 10** – 97.8% **2017**

Institution:

**TECHNICAL INTERESTS**

Data Structures and Algorithms, Machine Learning, Deep Learning, TinyML

**PROJECTS**

**An Edge-based Cyber-Physical System for Smart Polyhouse Solar Drying of Agricultural Food Products on Sony’s Spresense**

Agency : SONY Sensing Solution University Program [Sony SSUP Research Programme]

Objective: To deploy edge based inferencing techniques to monitor the current state of the food

product on Sony’s Spresense MCU and also to monitor and control the physical parameters of the

polyhouse

Description: Machine Learning and Deep Learning models were deployed on Sony’s Spresense MCU

to determine the dryness level of food product and subsequently actuate the exhaust fan inside the

polyhouse

Duration : Oct 2021 - Oct 2022

Stack: Spresense SDK, ML, DL, Python, Tensorflow, Tensorflow lite, C, Git and Github

Outcome: An end-end Smart Spresense MCU was designed and deployed in the polyhouse

**Smart Mask Enforcement System using Multi Tenant Cascading architecture in TinyML**

Objective : To build an TinyML application to enforce mask wearing in public places

Description : A TinyML application which intelligently predicts whether the person is masked or not

through the camera and microphone inputs

Duration : Jan - Feb 2022

Stack : Python, ML, DL, Tensorflow lite, Tensorflow lite micro, Arduino C, Git and Github

Outcome: An end-end TinyML application was developed and deployed successfully

**Bone Age Prediction and Gender Classification from Medical Images**

Objective : To predict the Bone Age and Gender of a person from X-ray images

Description : A Computer Vision based Machine Learning model for accurately predicting the Bone

Age and Gender of a person from the X-ray images

Duration : November - December, 2021

Stack : Python, ML, Tensorflow, Git and Github

Outcome: An ML model was created successfully to predict bone age and gender

**Emotion Recognition in Masked Face Images using Deep Learning and Computer Vision**

Objective : To detect emotions in a masked face

Description : A Computer Vision model to detect the emotions in a masked face.

Duration : Jan - May, 2022

Stack : Python, DL, Tensorflow, Git and Github

Outcome: A Computer Vision model for detecting emotions in a masked face was developed

successfully.

**TECHNICAL SKILLS**

Python, C, Git, Github, TinyML, tensorflow

**CERTIFICATIONS**

Data Structures and Algorithms in Python

**LANGUAGES**

English, Tamil