

SIV RAAM KRISHNAN K. V

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PROFILE

A skilled AI/ML engineer with ability to develop and deploy scalable ML models with optimized pipelines. Proficient in Docker, Git, and CI/CD workflows, with hands-on experience in deploying and monitoring machine learning models. Strong understanding of software engineering principles, with a focus on performance, reliability, and maintainability. Adept at collaborating across teams and delivering high-quality, production-ready solutions.

EDUCATION

Sri Shakthi Institute of Engineering & Technology, Coimbatore

B. Tech, Artificial Intelligence & Data Science

Aug 2022 - May 2026

- CGPA: 8.19

Chandra Matriculation Higher Secondary School, Coimbatore

HSC

May 2021 - Jun 2022

- Percentage: 78%

St.Joseph's Matriculation Higher Secondary School, Coimbatore

SSLC

May 2019 - Jun 2020

- Percentage: 78%

EXPERIENCE

RampEx Technologies

MLOps Trainee

Nov 2024 - Dec 2024

- Developed automated CI/CD pipelines to streamline model deployment and updates, ensuring efficiency and reliability.
- Containerized ML models using Docker for consistency across environments and deployed them to AWS EC2 and ECR.
- Integrated logging and monitoring tools to ensure model performance and enhance data integrity in production.
- Collaborated with cross-functional teams to improve the accuracy and quality of deployment processes, leveraging data analysis insights to optimize performance.

PROJECTS

Manufacturing Fault Detection:

Link: https://github.com/sivraamkrishnankv/manufacturing_fault_detection

Tools: GitHub Actions, LabelImg, Yolo V5, AWS,ECR, Google Colab

- Developed a model to detect a real-time system and classify defects on cars using YOLOv5.
- Labelled the image dataset using LabelImg tool to extract the classes file
- Deployed the application with Docker and AWS ECR, and built a CI/CD pipeline with GitHub Actions

Deep Fake Detection Model

- Incorporated a deepfake detection system using a multi-model approach
- Utilized EfficientNet for frame analysis and a metadata model for extracting video metadata
- Implemented a machine learning model to determine whether a video is a deepfake, enhancing trust in digital content

PUBLICATIONS

- Siv Raam Krishnan.K.V, Nivas Sivakumar, Nithya Prakas.M, Pooja.G. Deep-Fake Detection using Multi-Model Approach with ML Algorithms. *Published in the International Journal of Research and Analytical Reviews (IJRAR)*

SKILLS

Technical Skills: ML Model-Development, Data Analysis, Business Analysis, Software Development, MLOps

Programming Languages: Python, SQL (MySQL), Bash

Tools: GitHub, Docker, VS Code, PyCharm, PowerBI, Excel(Advanced), Git, Jenkins

Libraries: pandas, NumPy, OpenCV

CERTIFICATES

Advanced Excel: Udemy

Mastering MS PowerBI: Udemy

Data Science: Python for Data Analysis: Udemy