

# Sreehari J R

AI/ML Developer

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— Portfolio — Medium Blog (shnvklm2004)

## ABOUT ME

Passionate AI/ML Developer with a strong grasp of modern ML advancements. Evolved from web development and game development to AI/ML with special focus on NLP, LLMs, Computer Vision tasks, and deploying real-world AI solutions.

## SKILLS

### Machine Learning

NLP, Computer Vision, Data Analysis, LLM Fine-Tuning, Gen AI, MLOps

### Frameworks

TensorFlow, Flask, Streamlit, OpenCV

### Tools

Git, Firebase, MongoDB

### Languages

Python, HTML/CSS

## EDUCATION

**SCT College of Engineering** 2022–2026  
BTech CSE (AI & ML), CGPA: 8.94

**Govt HSS Navaikulam** –2022  
Higher Secondary, Score: 96.5%

## CERTIFICATES

**Python for Machine Learning & Data Science Masterclass**

Jose Portilla, Udemy — Python, Pandas, NLP

**FREE TensorFlow Keras Bootcamp**

OpenCV University

## PUBLICATIONS & BLOGS

**1. Multi-Modal Oral Cancer Detection Using Weighted Ensemble Convolutional Neural Networks (arXiv 2510.03878)**

The study aims to improve early detection of OSCC by developing a multimodal deep learning framework.

**2. From Images to 3D: Building Im3D — A Depth Estimation Based Point Cloud and Mesh Generator**

Blog on exploring the core technical know-how on image 3D reconstruction using monocular depth estimation.

## EXPERIENCE

### DiceMed

Mar-Jul 2025

Machine Learning Research Intern

- Worked with computer vision based tasks, deep learning models.
- Developed CNN models on multi-modal usecases for increased accuracies upto 90% on medical conditions.
- Served as corresponding author on research paper.

### DEX AI Solutions

Apr-Jul 2024

Machine Learning Intern

- Worked with LLMs, prompt engineering, and neural networks.
- Developed chatbots and ML tools using modern tech stacks.

### Insight Labs Corporation

May-Jun 2023

Flutter Developer Intern

- Built a complete Flutter-based hostel attendance management app.
- Conducted tech seminars for clients.

## PROJECTS

### Im3D - Image to 3D converter

Image to 3D point cloud and mesh generator using Midas depth estimation on images with Flask implementation.

### EMMA SEO Tool

Webpage realtime SEO Analyzer with chatbot built using Gemini LLM, React frontend with Flask backend.

### Image Augmentation Tool

Image augmentation tool using OpenCV and TensorFlow.

### VERDICT AI

RAG-based search engine along with chatbot for open-sourced image case files with a good precision. Worked with OCR, RAG pipelines, etc.

## ACHIEVEMENTS

### Winner

Allianz Tech Championship 2024

### Runners Up

InnovateX, 2025 Hackathon by Digital University of Kerala