

Shudharshan P

 Shudharshan P |  Shudharshan P |  shudharshan07@gmail.com |  +91 90920 10165

EDUCATION

2024 – 2028	B.E. CSE (AIML) , Sri Eshwar College of Engineering	<i>CGPA: 8.6</i>
2023 – 2024	Class XII , Maharishi Vidya Mandir	<i>Percentage: 88.6%</i>
2021 – 2022	Class X , Maharishi Vidya Mandir	<i>Percentage: 68.2%</i>

PROJECTS

VisionMax [GitHub Link](#)

- Built an assistive app that detects real-world objects using Google ML Kit's on-device Object Detection API.
- Provides audio and haptic feedback to help visually impaired users navigate their surroundings independently.
- Implemented real-time detection pipeline with optimized image processing for low latency.

Deep Neural Network from Scratch [GitHub Link](#)

- Developed a fully functional Deep Neural Network from scratch using NumPy, designed in TensorFlow-style modular architecture.
- Implemented Xavier initialization, forward and backward propagation, and gradient descent optimization manually.
- Achieved end-to-end training and testing on sample datasets, validating model correctness without any deep learning libraries.

Neural Style Transfer [GitHub Link](#)

- Implemented Neural Style Transfer using Python and TensorFlow/PyTorch to apply the artistic style of one image onto another.
- Developed a Telegram bot to provide a simple, interactive interface for users to upload images and receive stylized outputs.
- Optimized image processing pipeline for faster inference and better visual quality.

ACHIEVEMENTS

9th Place in CodeLee	2024
2nd Place in Freshathon	2024
Finalist in SICPC	2024

CODING PROFILES

LeetCode:	Solved 300+ Problems	Global Rank: 283,912	Link
GeeksforGeeks:	Solved 100+ Problems	Global Rank: 241,858	Link
SkillRack:	Solved 1000+ Problems	Global Rank: 17,323	Link

SKILLS

Programming:	C, C++, Python, Java, Golang(Beginner)
Core Concepts:	DSA, OOPS, LLD
Tools:	VSCode, Canva, Jupyter Notebook, Git, GitHub