

# Shudharshan P

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

## EDUCATION

2024 – 2028 **B.E. CSE (AIML)**, Sri Eshwar College of Engineering

*CGPA: 8.6*

2023 – 2024 **Class XII**, Maharishi Vidya Mandir

*Percentage: 88.6%*

2021 – 2022 **Class X**, Maharishi Vidya Mandir

*Percentage: 68.2%*

## 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

**9<sup>th</sup> Place in CodeLee**

2024

**2<sup>nd</sup> 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