SAMBANGI RAJU

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, 534437

○ Github   ⌂ Leetcode

♕ Codechef

Professional Experience

Artificial Intelligence Intern   2023/09 – present
Finplex Solutions pvt ltd   Remote, India

- **Internship Learning**: Acquired new skills in Open3D, OpenCV, and Unity during internship, expanding expertise in diverse applications.
- **Collaborative Project:** Engaged in a collaborative project between IIT Delhi and Delhi AIIMS focused on brain tumor cells and tissues identification using augmented reality and deep learning.
- **Successful Outcome**: Demonstrated high accuracy in the project, showcasing effective utilization of learned technologies for advanced medical applications.

Projects

Person Identification and Validation Using Digital Forensic Methods ⧉

- The project centers on person recognition through biometric or fingerprint images, employing deep learning techniques such as **Resnet50** and **VGG16**.
- The VGG16 model demonstrated a commendable accuracy of **93.23%**, while the Resnet50 model outperformed with an impressive accuracy of **98.342%**.
- The successful implementation of deep learning models underscores the project's efficacy in achieving **high accuracy** rates for person recognition.

Text to Image Synthesis using Diffusion Models ⧉

- The primary objective of the project is to **Generate images from text prompts.**
- The implementation, carried out in Python using **transformers**, involves the integration of **encoders and decoders** capable of generating high-resolution **4k images**.
- Model evaluation was conducted using the **Fréchet Inception Distance (FID) metric.**

Education

Bachelor Of Technology-Computer Science and Engineering
GMR Institute of Technology, Rajam
06/2020 - Present
CGPA: 8.68/10

Skills

Programming Languages:
C, C++,Python, Java

CS Core:
Data Structures and Algorithms, Object-Oriented Programming.

Technologies:
Machine Learning, Deep Learning ,Natural Language Processing, OpenCV, Open3d, Unity

Web Programming Languages:
HTML, CSS

Organizations

Codechef Student Chapter - GMRIT
Student Coordinator

Certificates

Introduction to python programming ⧉
Microsoft Technology Associate

Introduction To Machine Learning - IITKGP
NPTEL

Algorithmic Toolbox ⧉
Coursera

Python Data Analysis
Coursera

Achievements

- Secured a Global rank of **276 in codeathon** Conducted by Code Gladiators 2023
- Secured **Elite Badge** in NPTEL Introduction to Machine Learning -IITKGP
- Solved **350+** problems and **1400+** rating in LeetCode
- Solved **400+** problems and attempted 20 Contests in CodeChef and secured **2*** rating
- **5*** Rating in C++ at Hackerrank
- Winners of Entrepreneurship Idea Innovation Challenge GMRIT