Adya Tiwari, Researcher

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LINKS

Portfolio, linkedin, github

PROFILE

A student with a keen interest in Artificial Intelligence and algorithms with a major in Computer Science and specialization in AI.

INTERNSHIPS

Jan 2024 — Jul 2024

Research Intern, Singapore University of Technology and Design
Singapore

Working Under Professor Immanuel Koh on an AI Food Printing Project. This internship at the Artificial Architecture lab helped me a lot in learning about 2D and 3D models and neural network training overall. I had experience with running and understanding models like NERF, TripoSR, Stable Diffusion models and other text to 2D or 3D models as my project comprises of the same.

Mar 2022 — Oct 2022

Technical Blog Writer, Coding Ninjas
India

During this internship I wrote multiple blogs on different CS-related Topics every week. Gave preparation guides for Microsoft, Naggaro etc.

Jun 2023 — Jul 2023

Frontend developer/ designer, Cargoa
India

Made multiple UI/UX designs and research to develop a

logistics website using figma.

EDUCATION

Sep 2020 — Jul 2024

B. Tech - Computer Science & Engineering (AI) , NIIT University
India

Graduated with a Bachelors in Computer Science

Apr 2019 — Mar 2020

Senior Secondary School, Kendriya Vidyalaya, Gujarat
India

PROJECTS

Pneumonia Detection using X-Ray images

Trained a Neural Network model with X-ray images dataset which determines
whether the person has Pneumonia or not.

3D Object Classification

Uses python as the primary programming language with libraries

like OpenCV, NumPy, Pandas etc. Used deep learning model - PointNet.

2D images to 3D

Creating an algorithm to turn 2D images into 3D stl files using the python numpy -
stl library which could be helpful in creating 2D to 3D models.

Intruder detection using Image processing

Uses Computer Vision and Image processing concepts to detect

intruder using python. Concepts like background subtraction and grayscaling implemented

using libraries like OpenCV, Pandas , Maltplotlib.

SKILLS

Artificial Intelligence	SQL basics
Git	Neural Network
Machine Learning	Project Learning
Python	

COURSES

Sep 2023 — Jan 2024	**Advanced Learning Algorithms, Coursera**
Aug 2024 — Jan 2024	**Advanced React, Coursera**
Jan 2024 — Apr 2024	**Understanding Research Methods, Coursera**

EXTRA-CURRICULAR AND VOLUNTEER

Organizing team Entente Conference

LPL Project Mentor

aNUkriti (Newsletter writer)

LANGUAGES

English	Highly proficient	Hindi	Native speaker