DHRUV PAHWA

Lucknow, India

E-mail ◇ Linkedin ◇ GitHub

ABOUT

Data Science and Artificial Intelligence student, I am on an exciting journey to explore the vast realms of technology and problem-solving. My academic journey has equipped me with a strong foundation in data science, artificial intelligence, competitive programming, and system design.

EDUCATION

Bachelor of Science in Data Science & Artificial Intelligence Christ University, Delhi NCR Expected 2027
Matriculation in Physics, Chemistry, Maths with Computer Science CBSE 2021-2023

SKILLS

Technical Skills	Python, R, Java, HTML, CSS, Javascript, Scikit, Panda, NumPy
Frameworks	Keras, OpenCV, Flask, Streamlit
Soft Skills	Problem Solving, Time management, Adaptability, Critical thinking
Tools	VScode, Rstudio, IntelliJ IDEA, GitHub, VMware, Tableau, Maltego
Operating Systems	Linux (Ubuntu), Kali Linux

EXPERIENCE

Project Intern May 2025-July 2025
DRDO, Ministry of Defense, Government of India *India*

Artificial Intelligence Intern Oct 2024-Dec 2024
Infosys *India*

Software Developer Intern May 2024-Aug 2024
EddyTools *India*

PROJECTS

American Sign Language(ASL) to English Developed a python code that translates American Sign Language (ASL) into text in real-time using computer vision and machine learning. With features like real-time detection, high accuracy, FPS calculation, and visual feedback, it utilizes cvzone and Keras for precise gesture classification. Trained using Google Teachable Machine. (Try it here)

ML Text to Image using Stable Diffusion This project utilizes Stable Diffusion AI to generate images from text prompts in real time. Built with Tkinter and CustomTkinter, it offers a simple interface for seamless interaction. Using PyTorch and Diffusers, it ensures efficient processing with GPU acceleration, enabling fast and high-quality image generation..(Try it here)

Neural Network from Scratch using NumPy This project demonstrates how to build a neural network from the ground up using only NumPy, without relying on high-level machine learning frameworks like TensorFlow or Keras. The focus is on understanding the fundamental mathematical concepts behind neural networks, such as forward propagation, backpropagation, and weight optimization. (Try it here)

HONORS AND AWARDS

- Grand Finalist, SMART INDIA HACKATHON'24
- 2nd Position in National Level Tech Fest "TechGenX 5.0" (Code Catalyst)
- 1st Position in Research Paper Poster Presentation (Science Exhibition 2024)
- Secured 2nd Position in G20 QUIZ organised by University Student Council
- 3rd Position in Research Hackathon (Invictus'24) - Technical Council DTU