

# Himanshu

Chirawa, Rajasthan, India

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## Training

### Cipherschool

June 2024 - August 2024

#### Full Stack Developer Training

- Completed comprehensive training in Full Stack Development using the **MERN stack** (MongoDB, Express, React, Node.js).
- Participated in live lectures and doubt-clearing sessions focused on developing scalable applications.
- Engaged in guest lectures providing industry insights on **AI integration** in modern web applications.
- Developed practical projects applying learned concepts with a focus on **data-driven user experiences**.
- Tech stacks:** MongoDB, Express.js, React.js, Node.js, RESTful APIs

## Projects

### English to Hindi Translation using Transformer Architecture:

May 2024 - Jun 2024

#### Project Link

- Developed a machine translation model using the transformer architecture to translate text from English to Hindi.
- Processed and trained on a dataset of 200,000 sentences to achieve accurate translations.
- Implemented key parameters: vocabulary sizes, embedding size (512), attention heads (8), transformer layers (3).
- Applied **data analytics** to improve model performance and user experience.

**Tech:** PyTorch, Python, Natural Language Processing, Transformers

### Style Transfer System using ComfyUI:

March 2024

- Implemented a generative AI workflow using ComfyUI for artistic style transfer
- Created a pipeline combining Stable Diffusion models with VAE encoding/decoding for image transformation
- Experimented with various sampling methods and parameters to balance content preservation and style application
- Documented the workflow configuration process and technical implementation details

**Tech:** ComfyUI, Stable Diffusion, PyTorch, Generative AI

## Certificates

- 100 Days of Code: Python Pro Bootcamp** - Udemy December 2022  
[Certificate Link](#)
- C++ and DSA** - CipherSchool December 2023  
[Certificate Link](#)

## Technical Skills

- Languages:** C, C++, Java, JavaScript, Python
- Technologies/Frameworks:** TensorFlow, PyTorch, Scikit-learn, Streamlit, Haystack AI, Hugging Face, Google API, Git, GitHub, Linux
- Skills:** Data Structures and Algorithms, Problem-Solving, Machine Learning, Deep Learning, Computer Vision, Natural Language Processing, API Integration, ComfyUI

## Education

- Lovely Professional University** 2022 – 2026  
Computer Science and Engineering with specialization in AI & ML — CGPA: 6.7 Punjab, India
- Matrix High School** 2020 – 2021  
12th with Science — Percentage: 91% Sikar, Rajasthan
- Hind Academy School** 2018 – 2019  
10th — Percentage: 76% Chirawa, Rajasthan