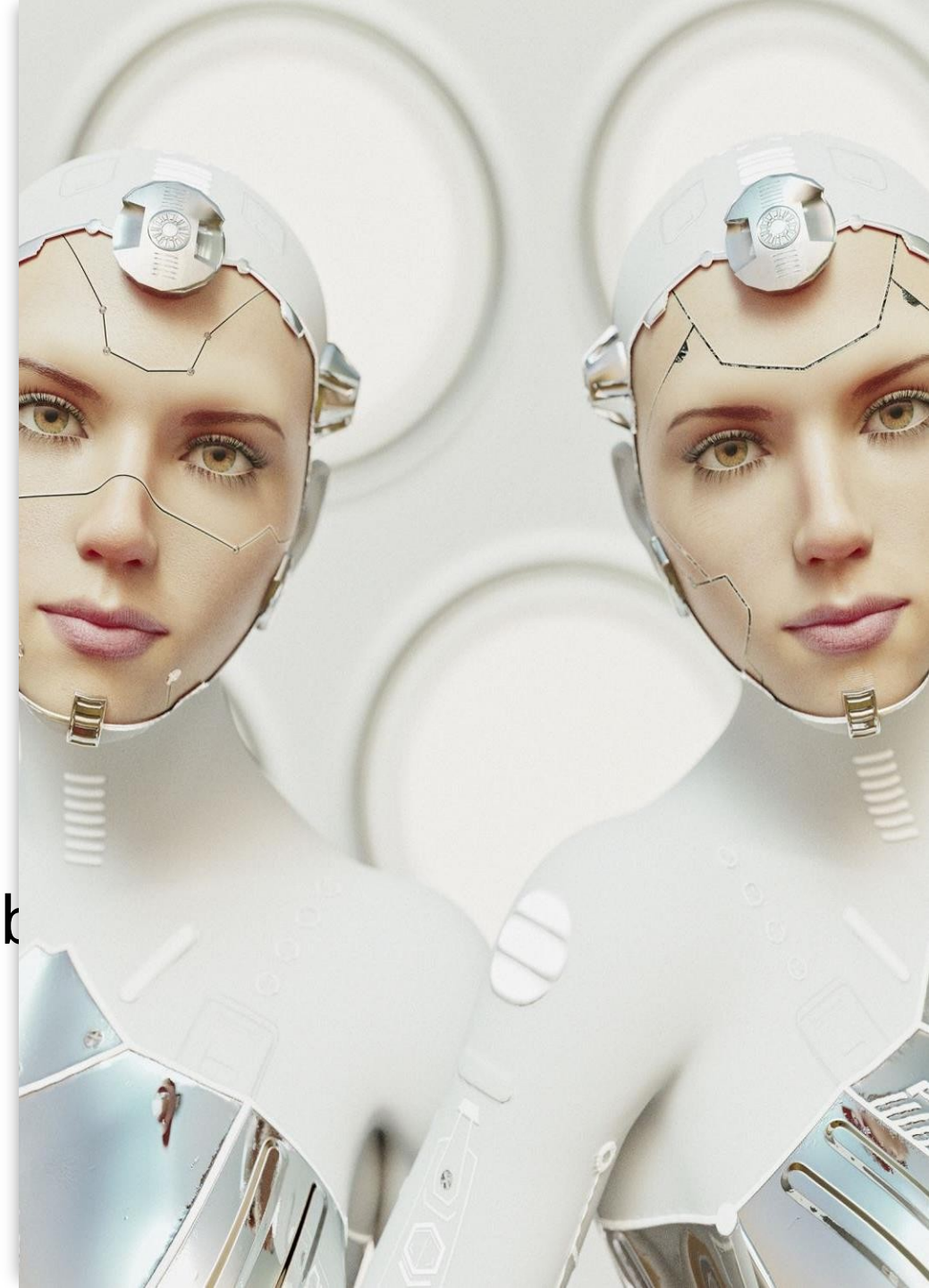
# HUGGINGFACE BOOTCAMP

- **Subtitle:** Learn & Build with State-of-the-Art AI
- **Presented by:** [Shivam singh Rajput(Shyam Ji)]
- **Date:** [12th- Decmber - 2025]
- www.linkedin.com/in/shyamjiengineer

# Agenda :

- Introduction to Hugging Face Ecosystem
- NLP with Transformers
- Computer Vision & Diffusion Models
- Building AI Apps with Gradio
- Model Deployment with Hugging Face Hub
- Capstone Projects



# What is Hugging Face

PLATFORM FOR MODERN AI TOOLS

EASY ACCESS TO AI MODELS (TEXT, IMAGE, AUDIO)

COMMUNITY OF DEVELOPERS, RESEARCHERS, AND LEARNERS

FREE TO USE, NO CODING REQUIRED FOR MANY TOOLS

# What Can You Do with Hugging Face?

SENTIMENT ANALYSIS -

ANALYSE EMOTIONS IN TEXT

NAMED ENTITY RECOGNITION

GENERATE IMAGES FROM TEXT

# No-Code AI Tools (Pipelines)

Use tools directly on Hugging Face website

Examples:

Text Generation (e.g., write a story)

Sentiment Analysis (e.g., detect mood)

Text-to-Image (e.g., "a cat playing piano")

# Hugging Fac Spaces

- Community-driven apps for A
- Built with Gradio or Streamlit
- No need to install anything
- Just click, use, and explore

# Real-World Use Cases

- Education: Summarize textbook content
- Marketing: Auto-generate ads
- Social Media: Image captioning, post ideas
- Customer Service: AI chat assistant

# Building Apps with Gradio

What is Gradio?

Creating ML apps quickly

Deploying Hugging Face models with Gradio UI

Hands-on:

Build a chatbot

Build a Text-to-Image interface

# THANK YOU TEAM