



**BANEX**

# Unlock the Future with GenAI: Professional Bootcamp 2025

**Master Generative AI and  
Transform Your Career in  
Just Six Weeks!**

**Enroll Now | Limited Seats Available!**

# What is the GenAI Bootcamp?

**Generative AI, a branch of artificial intelligence that creates content such as text, images, music, and code, is transforming industries by automating creative and analytical tasks.**

**Its applications range from personalized marketing and automated content creation to drug discovery and advanced problem-solving in fields like healthcare, finance, and technology.**

**As demand for AI-driven solutions grows, professionals skilled in AI tools and concepts are increasingly sought after. Learning generative AI not only opens doors to cutting-edge careers but also positions individuals at the forefront of innovation, driving career growth in an ever-evolving digital economy.**

# Why Join?

- ✓ Hands-on Learning with Real-World Projects
- ✓ Expert Instructors from Industry and Academia
- ✓ Comprehensive Curriculum Designed for Career Growth
- ✓ Interactive Learning Experience
- ✓ Stay Ahead in a Competitive Market
- ✓ Certifications and Recognition

**“Generative AI is the key to solving some of the world’s biggest problems, such as climate change, poverty, and disease. It has the potential to make the world a better place for everyone.”**

**~Mark Zuckerberg**

# Curriculum Overview

## Day 1: Introduction to Generative AI

### Topics:

- What is Generative AI? Overview and History
- Types of Generative Models: GANs, VAEs, and Transformer-based models
- Applications in industries: Text, Image, Audio, and Video Generation

### Hands-On:

- Install Python, Jupyter Notebook, and relevant libraries (TensorFlow or PyTorch, Hugging Face)
- Simple text generation using OpenAI's GPT model via the Hugging Face pipeline

## Day 2: Language Models and Text Generation

### Topics:

- Overview of transformer architecture
- Fine-tuning pre-trained language models (e.g., GPT, T5, BERT)
- Ethical considerations in text generation

### Hands-On:

- Text summarizing or paraphrasing using Hugging Face models
- Sentiment generation: Create happy or sad story snippets from prompts

# Curriculum Overview

## Day 3: Generating Images with Generative Models

### Topics:

- Introduction to GANs and VAEs
- Overview of diffusion models (like DALL-E and Stable Diffusion)

### Hands-On:

- Generate AI art using Stable Diffusion on Google Colab (free tier)
- Experiment with DreamBooth for fine-tuning

## Day 4: Practical Applications of GenAI

### Topics:

- Content creation: Blog writing, social media posts, and marketing copy
- Synthetic data generation for AI model training
- Automating customer support with chatbots

### Hands-On:

- Create a simple chatbot using Hugging Face and Gradio
- Generate product descriptions from a CSV file using a pre-trained language model

# Curriculum Overview

## Day 5: Advanced Use Cases and Deployment

### Topics:

- Building domain-specific GenAI models
- Model optimization for deployment (quantization, pruning)
- API-based deployment (e.g., FastAPI or Flask)

### Hands-On:

- Deploy a fine-tuned model on Hugging Face Spaces or Google Colab
- Create an interactive web app for user input and AI-generated output

## Day 6: Wrap-Up and Project Showcase

### Topics:

- Challenges and Limitations of Generative AI
- Future trends in GenAI

### Hands-On:

- Participants present a mini-project using GenAI (e.g., a chatbot, an art generator, or a content creation tool)

## Prerequisites for Participants:

- Basic understanding of Python programming
- Familiarity with AIML concepts, including deep learning fundamentals

## Tools Required:

- Google Colab for free compute
- Open-source libraries: Hugging Face, PyTorch, TensorFlow, Gradio
- Pre-trained models from Hugging Face Model Hub

# Meet the Instructors



**Vinay Kumar**

**Co-Founder @ Banex/ Data Science & AI Expert**

**With over 15 years of expertise in data science, AI, ML, and Cloud, he has led data-driven transformation projects for Fortune 500 clients at EY, HP, Wipro, and TCS, fueling growth and innovation.**



**Naveen K**

**Principal Consultant @ Banex**

**Brings deep experience in data science, machine learning, and predictive analytics. Delivered value across multiple domains like finance, and healthcare, and helped organizations leverage advanced analytics.**

## Learn from the Best in the Industry

# Schedule & Pricing

Special Early Bird Discount

~~\$ 660~~

\$ 550

Only Available Till 1st  
January

Enroll Now | Limited Seats Available!

Enrollment Closes On:  
12th January 2025





**BANEX**

# What Are You Waiting For?

Take Your Career to **The  
Next Level** Now

**Enroll Now | Limited Seats Available!**