



गौतम बुद्ध विश्वविद्यालय
GAUTAM BUDDHA UNIVERSITY
An Ultimate Destination for Higher Learning

AI EXPLORERS BOOTCAMP

5-Day
Training Program

Mastering Intermediate
AI Skills for Real-World
Innovation

Program Format
Instructor-Led

Learn from
Industry Experts

Real-World Projects
Capstone Projects
Inside

Get Certified
GBU & USAII®
Certificate

Delivered By

USAII® | UNITED STATES ARTIFICIAL
INTELLIGENCE INSTITUTE



PROGRAM OVERVIEW

Around 59% of organizations in India have adopted AI, surpassing the global average, according to IBM. In specific industries, the BFSI sector leads with a 68% AI adoption rate, followed by the technology sector at 60-65%.

Furthermore, reports like those from MarketWatch indicate that 75% of knowledge workers use AI in their roles, with 90% reporting time savings and 84% experiencing increased creativity.



- 95% of businesses feel the pressure to adopt GenAI.

-89% of businesses expect GenAI to transform their organization.

- Deloitte



All this implies the need to upskill in AI.

The "AI_Explorers_Bootcamp," is a **5-day immersive training program** designed to elevate your AI expertise. This program is meticulously crafted for intermediate learners to bridge the gap between foundational knowledge and advanced AI applications.

Hosted by the prestigious **Gautam Buddha University** in collaboration with the **United States Artificial Intelligence Institute (USAII®)**, this bootcamp combines theoretical learning with extensive hands-on sessions led by seasoned faculty and industry experts. Whether you're looking to refine your AI skills or drive impactful innovation, this program will help you unlock your full potential.

Let's embark on this exciting journey toward mastering AI together!

Program Duration

5 Days

Date(s)

APR 21st to 26th, 2025

Program Fees

INR 19,651 + GST



Why AI Explorers Bootcamp?



Comprehensive Curriculum

Explore advanced AI concepts and tools over five action-packed days.



Hands-on Learning

Implement solutions with live coding sessions, real-world projects, and expert guidance.



Expert-Led Sessions

Learn from GBU faculty and top industry professionals.



Practical Applications

Gain insights into deploying AI models in diverse fields like healthcare, finance, and agriculture.



Collaborative Environment

Work on team-based capstone projects to solve real-world challenges.



Prestigious Certification

Strengthen your resume with certification from GBU & USAII®.





Who Should Attend?

This program is ideal for

- » **AI Enthusiasts:** Expand your skills with intermediate AI concepts and applications.
- » **Professionals:** Learn how to leverage AI for efficiency and innovation in your organization.
- » **Students and Researchers:** Deepen your AI expertise for academic or research purposes.
- » **Technical Teams:** Equip your team with advanced AI tools and deployment techniques.
- » **Entrepreneurs:** Discover how AI can transform your startup or product strategy.

If you have basic AI knowledge and are ready to elevate your skills, this program is tailored for you!





Program Highlights

Your AI Learning Journey in 5 days

DAY

1

Foundations of AI and Machine Learning

- **Introduction to AI and ML:** Explore AI trends and applications across industries.
- **Python Programming Basics:** Build a foundation in Python syntax, data types, and control structures.
- **Data Manipulation with NumPy and Pandas:** Learn data preprocessing techniques for AI projects.



DAY

2

Machine Learning Essentials

- **Unsupervised Learning:** Dive into clustering and dimensionality reduction techniques.
- **Supervised Learning:** Understand regression and classification for predictive modeling.
- **Industry Expert Session:** Learn real-world applications from a guest industry leader.



DAY

3

Deep Learning Fundamentals

- **Neural Networks:** Build and train a simple neural network with TensorFlow.
- **Convolutional Neural Networks (CNNs):** Apply CNNs for image classification.
- **Recurrent Neural Networks (RNNs):** Implement sentiment analysis using RNNs.



DAY

4

NLP and Advanced Topics

- **Natural Language Processing:** Master text classification and sentiment analysis.
- **Reinforcement Learning:** Explore Q-learning and its applications.
- **Generative Adversarial Networks (GANs):** Build a basic GAN model to understand data generation.



DAY

5

Applications and Deployment

- **AI Ethics and Bias:** Learn responsible AI practices with case studies.
- **Model Deployment:** Host your models using Flask and Docker.
- **Capstone Project:** Work on team-based projects and present your solutions.



Learning Outcomes



Enhance AI Knowledge:

Strengthen your understanding of intermediate AI concepts like clustering, RNNs, and GANs.



Code with Precision:

Gain hands-on expertise in Python, TensorFlow, and other leading AI tools.



Tackle Real-World Problems:

Build practical models for challenges like fraud detection, sentiment analysis, and plant disease identification.



Master Model Deployment:

Learn to host and deploy machine learning models efficiently.



Work Collaboratively:

Develop teamwork and presentation skills through capstone projects.



Promote Ethical AI:

Understand and mitigate AI biases, ensuring fairness and accountability in your solutions.



Earn Certification:

Receive a prestigious certificate from Gautam Buddha University and USAII®.



गौतम बुद्ध विश्वविद्यालय
GAUTAM BUDDHA UNIVERSITY
An Ultimate Destination for Higher Learning

Gautam Buddha University, established by the Uttar Pradesh Act (9) of 2002, commenced its first academic session at its 511 acres lush green campus at Greater Noida in August 2008. The University is fully funded by the New Okhla Industrial Development Authority (NOIDA) and the Greater Noida Industrial Development Authority (GNIDA), the undertakings of the Government of Uttar Pradesh. The University is recognized by the University Grants Commission under UGC Act and is a member of the Association of Indian Universities.

USAII® | UNITED STATES ARTIFICIAL
INTELLIGENCE INSTITUTE

The United States Artificial Intelligence Institute (USAII®) is the world's leading Artificial Intelligence certifications provider for students, professionals, organizations, institutions, academia, or governments, looking to upskill and reskill their expertise in the ever-evolving Artificial Intelligence domain.

Contact US

Gautam Buddha University

Opp.Yamuna Expressway,
Greater NOIDA, Gautam Budh Nagar,
Uttar Pradesh-201312 (INDIA).

USAII®

Connecticut 680 E Main Street
#699, Stamford, CT 06901
support@usaii.org

GET STARTED WITH THE MOST STRATEGIC **AI UPSKILLING** PROGRAM EVER!

ENROLL NOW