Understanding, Harnessing & Applying Generative AI for Decision Makers and Architects - TTAI2102

Harness the power of Generative AI to identify use cases, manage AI projects, solve business problems and secure AI systems effectively

Duration: 1 Day
Skill Level: Introductory
Available Format: Instructor-Led Online; Instructor-Led, Onsite In Person ; Blended; On Public Schedule

Generative AI for Decision Makers and Architects is a one day, expert-led course that will guide you through this bustling scene, where you'll learn about the core of Generative AI with a focus on practical, real-world business skills, use cases, and applications

What You'll Learn

Overview

Welcome to the exciting world of Generative AI! The AI landscape is truly changing daily, with a whirlwind of new tools, terms and technologies entering the market every day. Sorting through the technologies when tasked with making decisions about business value, strategy and implementation can be more than challenging.

Generative AI for Decision Makers and Architects is a one day, expert-led course that will guide you through this bustling scene, where you'll learn about the core of Generative AI with a focus on practical, real-world business skills, use cases, and applications. Our aim is to lay a solid foundation for you in Generative AI, bringing its power into your organization's problem-solving and decision-making strategies. You'll

explore which solutions can best serve your organization and how you can navigate potential benefits and challenges effectively.

This course is led by engaging industry experts currently working in the field, who bring cutting edge experience into the classroom, activities and valuable group discussions. Throughout the event you'll explore a variety of hot topics such as Generative AI's evolution, identifying compelling Generative AI use cases, key implementation considerations, building a great AI team, steering AI projects effectively, and safeguarding your AI systems robustly. You'll delve into real-world examples, understand key performance indicators for AI projects, and use innovative tools for measuring project success. The course also covers the (latest) technology stack behind Generative AI and the important role of data in AI, skills critical to leading in today's data-driven business environment. It also covers upcoming trends, preparing you to keep your organization competitive in this rapidly evolving field.

You'll exit this course conversant in Generative AI business essentials, ready to apply this knowledge on the job. You'll be well-equipped to make informed decisions about Generative AI projects, drive the adoption of AI in your organization, and manage the process from inception to successful deployment and beyond. You'll also understand the crucial role of data, how to secure your AI systems, and the importance of building a capable AI team.

Objectives

Working in an interactive learning environment, led by our engaging AI expert, you will:

- Gain a solid understanding of Generative AI, its evolution, and its role in shaping innovative business solutions, positioning you to effectively drive AI initiatives in your organization.
- Acquire the ability to identify potential Generative AI use cases in your industry and evaluate their feasibility and value, empowering you to make informed decisions that can enhance business operations.
- Learn how to manage the lifecycle of an AI project efficiently, equipping you with the knowledge to guide projects from inception to successful deployment, with continuous monitoring and improvement.

- Develop an understanding of AI and data security best practices, along with the crucial role of data in Generative AI, fostering your ability to safeguard your AI systems effectively.
- Stay ahead of the curve by gaining insights into the upcoming trends and technologies in Generative AI, enabling you to maintain a competitive edge in your organization in this rapidly evolving field.

Audience

This introductory-level course is ideally suited for business professionals, decision makers, and architects who are eager to harness the power of Generative AI within their organization. Attendees roles would include Executives, Project Managers, Business Analysts, IT Leaders, Architects or anyone involved in strategic decision making or team building for AI projects.

Pre-Requisites

To ensure a smooth learning experience and maximize the benefits of attending this course, you should have the following prerequisite skills:
- A basic understanding of business operations and decision-making processes: This will aid in understanding the potential applications of Generative AI in solving business problems and improving efficiency.
- Familiarity with the principles of project management: As the course includes a component on managing the lifecycle of an AI project, having foundational knowledge in project management will be beneficial.
- Basic knowledge of data management: This can help in grasping the role of data in Generative AI, and the best practices for data security.

Next Steps / Follow-on Courses: We offer a wide varietyof follow-on courses and learning paths for Generative AI, AI for Business, GPT, Applied AI, Azure OpenAI, Google BARD, AI for developers, testers, data analytics, machine learning, deep learning, programming, intelligent automation and many other related topics. Please see our catalog for the current **AI & Machine Learning Courses, Learning Journeys& Skills Roadmaps**, list courses and programs.

TTAI2006   AI for Business Users Boot Camp: Transforming Business Ops
                  with Cutting-Edge AI Apps

TTAI2105	Streamline, Optimize, Succeed! AI & AIOps Automation Basics for Non-Technical Business Users
TTAI2140	Implementing AI in Software Testing | AI in Test Automation
TTML5502	Exploring AI & Machine Learning for the Enterprise Overview (Light Hands-on)
TTAI2060	Strategic AI Dialogues: Conversational Intelligence for Business Innovation
TTAI2009	Quick Start to Prompt Engineering for Business Users
TTAI2063	Voice of Innovation: Crafting Your Enterprise's Digital Assistant: Building a Voice Bot - From Concept to Reality
TTAI2062	Transforming Customer Support with AI: Crafting Custom Assistants for Your Business

Agenda

Please note that this list of topics is based on our standard course offering, evolved from current industry uses and trends. We'll work with you to tune this course and level of coverage to target the skills you need most. Topics, agenda and labs are subject to change, and may adjust during live delivery based on audience skill level, interests and participation.

Introduction to AI in Business
- Impact of AI technologies in modern businesses
- What is AI and Why Does It Matter
- The ROI of AI Adoption
- Quick View: AI Ethics and Regulation
- AI's Role in Different Business Units
- Quick View: Backbone of an AI-Driven Business
- Real-World AI Transformations

Understanding Generative AI: Its Evolution and Impacts
- Overview of Generative AI and its evolution
- Generative AI Defined - What is it, how it works
- Impacts and opportunities of Generative AI in business
- Real-world examples of successful Generative AI applications

Unpacking Use Cases: Where and How Can You Apply Generative AI
- Identifying potential use cases in your industry
- Practical examples of how Generative AI can solve business problems

- Frameworks for evaluating the feasibility and value of Generative AI projects
- Use Case: ROI and Value Analysis for Generative AI in Healthcare

Key Considerations in Implementing Generative AI

- Understanding the technology stack behind Generative AI
- The role of data in Generative AI: requirements, preparation, and management
- How to choose the right AI model for your needs

Securing Your Generative AI

- Understanding AI and data security
- Best practices for securing Generative AI systems
- Roles & Skills in Securing Generative AI
- Responsible decision making: Role of privacy in Generative AI
- Ethical and Legal Concerns in using Generative AI

Managing the Lifecycle of a Generative AI Project

- Planning and managing an AI project
- Testing and validating your AI system
- Deploying, monitoring, and maintaining your Generative AI solution
- Deep Dive Example: Guide to Applying GenAI in a Healthcare Scenario
- Ensuring Scalability and Sustainability of Generative AI Systems in Healthcare
- Problem Solving Strategies for Pitfalls and Challenges in AI Implementation

Evaluating the Success of Your Generative AI Projects

- Key performance indicators (KPIs) for Generative AI projects
- Tools and techniques for measuring the effectiveness and ROI of AI
- Lessons learned and continuous improvement in AI

Building Your Generative AI Team: Who You Need

- Explore the key roles and skills necessary for forming a generative AI team.
- Understand the core team roles and required skill sets.
- Discover the top ten considerations for assembling your team.
- Navigate the decisions between training vs. hiring.
- Foster effective team collaboration.
- Establish team KPIs and performance metrics.
- Manage virtual teams: Tips for leveraging technology for remote collaboration.

- Managing an AI project: Best practices and common pitfalls

Future Trends in Generative AI

- What's next for Generative AI: upcoming trends and technologies
- Staying ahead: How to keep your organization competitive in the AI field
- Q&A and course wrap-up

Related Courses

TTAI2006	AI for Business Users Boot Camp: Transforming Business Ops with Cutting-Edge AI Apps
TTAI2020	AutoGPT in Action: Artificial General Intelligence (AGI) Basics for Everyday Business Use
TTAI2105	Streamline, Optimize, Succeed! AI & AIOps Automation Basics for Non-Technical Business Users
TTAI2140	Implementing AI in Software Testing	AI in Test Automation
TTDS6000	Data Science & Big Data Overview: Tools, Tech & Modern Roles in the Data-Driven Enterprise
TTAI2009	Quick Start to Prompt Engineering for Business Users

All applicable course software, digital courseware files or course notes, labs, data sets and solutions, live coaching support channels, CodeCoach.AI anytime tutor access, and rich extended learning and post training resources are provided for you in our "easy access, single source, no install required" online **Learning Experience Platform (LXP),** remote lab and content environment. Access periods vary by course. We'll collaborate with you to ensure your team is set up and ready to go well in advance of the class. Please inquire about set up details and options for your specific course of interest.

For More Information

Please contact us or call 844-475-4559 toll free for more information about our training services (instructor-led, self-paced or blended), coaching and mentoring services, public course enrollment or questions, partner programs, courseware licensing options and more.