

AutoGPT in Action:

Artificial General Intelligence (AGI) Basics for Everyday Business Use (TTAI2020)

Go Beyond ChatGPT! Leverage AutoGPT to generate high-quality text, automate workflows, analyze data, automate processes and more.

Course Snapshot

- **Course: AutoGPT in Action: Artificial General Intelligence (AGI) Basics for Business Users (TTAI2020)**
- **Duration:** 2 days
- **Audience & Skill Level:** This introductory-level course is appropriate for non-technical business users
- **Hands-on:** This course is about 50% hands-on, combining engaging live instructor-led presentations and valuable demos with plenty of hands-on exercises, innovative AI tools exploration and engaging group activities. Student machines are required.
- **Format:** This course can be delivered for your team or organization **online live (virtual)**, **onsite in-person** or across our robust **blended learning experience platform (LXP)**.
- **Public Schedule:** This course is currently available on our Public Open Enrollment Schedule.
- **Customizable:** This course agenda, topics, labs, hours and delivery modalities can be adjusted to target your specific training skills objectives, tools and learning goals. Please ask for details.

Overview

AutoGPT, a powerful tool based on the GPT-4 architecture, is an advanced Artificial General Intelligence (AGI) model designed to perform a wide range of tasks beyond the scope of chat-based applications. While ChatGPT focuses primarily on generating human-like conversational responses, AutoGPT extends its capabilities to diverse business applications such as text generation and summarization, data extraction and analysis, natural language processing, chatbot development, and decision support systems. Learning AutoGPT empowers business users to harness the potential of AGI-driven solutions, streamline processes, enhance efficiency, and make data-driven decisions, ultimately fostering growth and success in the ever-evolving business landscape.

AutoGPT in Action: AGI Basics for Business Users is a two-day hands-on course that provides you with the essential skills and hands-on experience required to tackle a wide range of projects, from marketing and data analysis to process automation and decision support. Whether you work in Sales & Marketing or Operations & Strategy, this immersive learning experience will help you gain confidence using these innovative, cutting-edge technologies to solve complex problems quickly and efficiently. No coding, programming or deep math skills needed. This course will show you step-by-step how to put these tools to work for you.

Throughout the course, our engaging instructor will guide you through a wide array of valuable topics and hands-on activities, including text generation, data analysis, workflow automation, decision support, and team collaboration. You'll gain solid practice working through real-world scenarios using a variety of tools and skills, ensuring you'll gain the confidence and practical knowledge needed to tackle a variety of business challenges with ease. By the end of the course, you'll have the hands-on know-how to implement AutoGPT's capabilities across various business functions, streamlining processes and driving innovation in your workplace.

Learning Objectives

This course combines engaging instructor-led presentations and useful demonstrations with valuable hands-on labs and engaging group activities. Throughout the course you'll learn how to:

- Generate high-quality text for various business applications, such as email drafting, report creation, and marketing material development, using AutoGPT's text generation capabilities.
- Analyze datasets and extract actionable insights to inform data-driven decision-making, leveraging AutoGPT's data analysis features, including data visualization, time series forecasting, and integration with spreadsheet tools.

- Implement workflow automation and streamline repetitive tasks by utilizing AutoGPT in conjunction with third-party integration tools, improving overall business efficiency.
- Enhance team collaboration and project management by integrating AutoGPT into document review processes, remote communication, and knowledge management, fostering a more productive and connected work environment.
- Customize and fine-tune AutoGPT models for specific business needs, enabling the development of tailored solutions that address unique challenges and requirements within the organization.
- Apply best practices and troubleshooting techniques to optimize AutoGPT performance, ensuring the responsible and ethical use of AGI while maintaining high-quality output and mitigating potential issues.

If your team requires different topics, additional skills or a custom approach, our team will collaborate with you to adjust the course to focus on your specific learning objectives and goals.

Audience & Pre-Requisites

This introductory-level course is geared for non-technical business professionals seeking to harness the power of Artificial General Intelligence (AGI) to improve their productivity, enhance decision-making, and drive innovation within their organizations. This course is valuable for a wide range of industries and job roles.

Some roles that might benefit from attending include:

- **Marketing Managers and Specialists:** Enhance content creation, analyze market trends, and develop targeted marketing materials using AutoGPT's text generation and data analysis capabilities.
- **Business Analysts:** Leverage AutoGPT for data analysis, visualization, and forecasting to extract actionable insights and make data-driven decisions.
- **Project Managers:** Utilize AutoGPT's collaboration and communication features to streamline project management processes, improve team collaboration, and ensure efficient project execution.
- **Customer Support Managers:** Implement chatbots and automate repetitive customer support tasks, improving response times and overall customer experience.
- **Human Resources Professionals:** Streamline the recruitment process, analyze employee feedback, and optimize internal communications using AutoGPT's text generation and analysis features.
- **Sales Managers:** Leverage AutoGPT for lead scoring, sales forecasting, and crafting persuasive sales pitches, driving revenue growth and improving sales team performance.
- **Product Managers:** Use AutoGPT to analyze customer feedback, monitor market trends, and inform product development decisions, ensuring products meet customer needs and expectations.
- **Operations Managers:** Implement workflow automation and process optimization using AutoGPT's integration capabilities, boosting overall operational efficiency.
- **Research and Development Professionals:** Utilize AutoGPT to analyze industry trends, identify emerging opportunities, and support innovation efforts.
- **Executives and Business Owners:** Leverage AutoGPT's decision support features to make informed strategic choices, identify growth opportunities, and manage risk effectively.

Pre-Requisites

This course doesn't require a technical background, however in order to be successful in this course you should possess:

- **Basic data manipulation skills:** While not required, a basic understanding of working with data, such as using spreadsheets (e.g., Microsoft Excel or Google Sheets) for data organization and simple calculations, would be beneficial for participants.
- **Problem-solving mindset:** Participants should be open to learning new concepts and possess a problem-solving mindset to effectively apply AutoGPT's capabilities to real-world business challenges.

Next Steps / Follow-on Courses: We offer a wide variety of 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.

Course Topics / Agenda

Please note that this list of topics is based on our standard course offering, evolved from typical 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.

Day 1

1. Introduction to AutoGPT

- Overview of Artificial General Intelligence (AGI) and AutoGPT
- Common business use cases for AutoGPT
- AutoGPT's architecture and components
- Data privacy and security considerations
- Lab Exploring AutoGPT: Familiarize yourself with the AutoGPT interface and available tools

2. AutoGPT for Text Generation

- Generating text for emails, reports, and marketing materials
- Text summarization and information extraction
- Optimizing text generation quality and controlling output
- Ethics and responsible use of text generation
- Formulating prompts and instructions
- Configuring the model parameters (temperature, max tokens, etc.)
- Handling long documents and generating coherent text
- Fine-tuning and customizing the model for specific tasks
- Lab: Text Generation and Summarization: Generate and summarize text using the AutoGPT web interface

3. AutoGPT for Data Analysis

- Analyzing datasets and generating insights with AutoGPT
- Data visualization and chart creation

- Time series forecasting
- Integrating AutoGPT with Excel, Google Sheets, and other tools
- Lab: Data Analysis and Visualization: Analyze a dataset and create visualizations using AutoGPT's built-in tools

4. AutoGPT for Automating Business Processes

- Streamlining repetitive tasks with AutoGPT
- Implementing basic chatbots and customer support
- Workflow automation and integration with third-party tools
- Monitoring and managing automation performance
- Lab: Process Automation: Create a simple workflow automation using AutoGPT and a third-party integration tool (e.g., Zapier)

Day 2

5. AutoGPT for Decision Support

- Natural language processing for decision support
- Sentiment analysis and customer feedback
- Risk assessment and fraud detection
- Market research and trend analysis
- Lab: Decision Support: Use AutoGPT to analyze customer feedback and make data-driven decisions

6. Customizing AutoGPT

- Fine-tuning AutoGPT for specific business needs
- Training new models on your data

- Evaluating and improving model performance
- Deploying custom models in your organization
- Lab 6: Customizing and Training Models: Fine-tune an AutoGPT model for a specific business task

7. AutoGPT for Collaboration and Teamwork

- Collaborative editing and document review with AutoGPT
- Enhancing communication and productivity in remote teams
- AutoGPT for project management and planning
- Managing and organizing shared knowledge using AutoGPT
- Lab: Collaboration and Teamwork: Implement an AutoGPT-based workflow for document review and project management

8. Best Practices and Troubleshooting

- Ensuring high-quality output and avoiding common pitfalls
- Monitoring usage and managing resources
- Scaling AutoGPT for larger organizations
- Staying up-to-date with AutoGPT developments and community resources
- Lab: Troubleshooting and Optimization: Identify and resolve issues in an AutoGPT workflow using best practices

Next Steps and Post-Training Resources

Setup Made Simple! Learning Experience Platform (LXP)

All applicable course software, digital courseware files or course notes, labs, data sets and solutions, live coaching support channels and rich extended learning and post training resources are provided for you in our “easy access, 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

For more information about our training services (instructor-led, self-paced or blended), collaborative coaching services, robust Learning Experience Platform (LXP), Career Experiences, public course schedule, partner programs, courseware licensing options or to see our complete list of course offerings, solutions and special offers, please visit us at www.triveratech.com, email Info@triveratech.com or call us toll free at **844-475-4559**. Our pricing and services are always satisfaction guaranteed.

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