Exploring NLU & LLMS: Conversational Intelligence from a Technical Business Perspective - TTAI2061

Dive into the world of Conversational AI with this dynamic half-day workshop, specially designed for IT professionals, software developers, and technical team leaders eager to bring Conversational AI capabilities to their projects.

Duration: Half-Day
Skill Level: Introductory
Available Format: Instructor-Led Online ; On Public Schedule

Dive into the world of Conversational AI with this dynamic half-day workshop, specially designed for IT professionals, software developers, and technical team leaders eager to bring Conversational AI capabilities to their projects. This course offers a focused deep dive into the intricacies of Natural Language Understanding (NLU) and Large Language Models (LLM), providing you with the technical know-how to effectively integrate these cutting-edge technologies into your systems. From hands-on coding sessions to in-depth case studies, you'll uncover practical strategies for deployment, learn to navigate the choice between NLU and LLM for specific applications, and explore how to optimize your projects for both efficiency and cost-effectiveness, all while ensuring your AI solutions are as reliable and accurate as possible.

NOTE: This session is a core component of our **Exploring AI for the Enterprise Kick Start Series,** a collection of engaging short courses designed to guide business leaders, IT professionals, and data analysts through essential AI knowledge and applications. Each workshop in this series, led by industry experts, covers specific AI topics—ranging from foundational concepts to advanced tools like conversational and generative AI—providing practical skills and strategic insights. Participants can attend individual sessions or the entire series to fully harness AI's potential for business innovation and gain a competitive edge.

What You'll Learn

Overview

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Objectives

- **Technical Fundamentals of Conversational AI**: Gain an in-depth understanding of the technical aspects of Conversational AI, focusing on NLU and LLMs.
- **Implementation Strategies:** Learn how to implement NLU and LLMs in various scenarios, understanding the infrastructure and coding requirements.
- **NLU vs. LLMs – Making the Right Choice**: Explore detailed criteria and use-cases for choosing between NLU and LLMs, understanding their strengths and limitations in different scenarios.
- **Optimizing for Performance and Cost**: Discover techniques for optimizing Conversational AI implementations to achieve cost savings and enhanced performance.
- **Minimizing Hallucinations**: Learn strategies to minimize errors and hallucinations in AI outputs, ensuring reliability and accuracy in real-world applications.

Audience

Designed for tech professionals responsible for implementing AI-driven conversational tools, this session helps participants gain the practical knowledge to effectively integrate NLU and LLM technologies. Ideal for those overseeing technical projects involving conversational AI. Roles might include: Software developers, IT specialists, technical team leaders
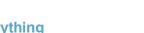
Pre-Requisites

- Basic coding or scripting knowledge (e.g., Python, JavaScript) would be helpful but not required.
- Familiarity with API integration or web applications
- Interest in deploying AI-driven conversational solutions

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
TTAI2009	Quick Start to Prompt Engineering for Business Users

Agenda

- NLU and LLMs Unveiled: Tech Behind the Talk
- Coding for Conversations: Making AI Understand Us
- NLU or LLM? Choosing Your AI Path
- Fine-Tuning AI: For Cost-Saving and Smoother Ops
- Error-Proofing AI: Keeping Conversations Clear
- Success Stories: When AI Conversations Go Right
- Secure Chatting: Keeping AI Talks Private
- Solving AI Puzzles: Tips for Tech Integration
- Hands-On AI Crafting: From Code to Conversation
- Looking Ahead: The Future of AI Chats

Related Courses

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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.