Voice of Innovation: Crafting Your Enterprise's Digital Assistant: Building a Voice Bot - From Concept to Reality - TTAI2063

This dynamic half-day course is designed for developers, product managers, and business innovators who wish to delve into the world of voice-enabled AI technologies

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

This dynamic half-day course is designed for developers, product managers, and business innovators who wish to delve into the world of voice-enabled AI technologies. The course provides a comprehensive guide to creating a voice bot that can interact effectively with users or customers, much like well-known assistants such as Alexa or Siri. Participants will learn about the key components of voice recognition, natural language processing, and response generation, culminating in the development of a functional voice bot prototype.

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

- **Introduction to Voice Bot Technology**: Understand the fundamentals of voice bot technology, including how systems like Alexa and Siri function.
- **Voice Recognition Basics:** Learn about voice recognition technologies and how to implement them to understand spoken language.
- **Integrating Natural Language Processing (NLP):** Dive into NLP techniques for interpreting user input and generating meaningful responses.
- **Developing a Conversational AI:** Explore strategies for developing a voice bot that can engage in natural, human-like conversations.
- **Practical Implementation**: Walk through the end-to-end process of building a simple voice bot, from design to deployment
- **Customized Interaction**: Learn to customize voice bot interactions to suit specific business or personal needs.
- **Innovation Opportunities**: Discover new ways to innovate in customer service, internal operations, and user interaction through voice-enabled AI.

Audience

This session is suited for those interested in integrating voice technologies into customer or user interactions, aiming to add innovation to their engagement strategies. Ideal for professionals exploring voice bots for customer service or product

enhancement. Roles might include: Product managers, developers, customer service managers

Pre-Requisites

- Basic familiarity with voice recognition or conversational AI tools
- Understanding of customer interaction strategies
- Interest in building voice-driven AI solutions

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Agenda

- Voice Bots 101: Understanding the Basics
- Making Sense of Speech: Voice Recognition Unpacked
- Teaching Bots to Chat: Integrating NLP
- DIY Voice Bots: Building Your First Prototype
- Personalizing Your Bot: Voice Interactions That Fit
- Designing for Users: Voice UX Essentials
- Tuning Your Bot: Keeping Conversations Smooth
- Voice Ethics: Responsible AI Use
- Voice Tech's Next Wave: What's Coming
- Workshop Time: Creating Your Voice Bot

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

TTAI2305   Turbocharge Your Code! Generative AI Boot Camp for Developers

Related Courses

TTAI2105   Streamline, Optimize, Succeed! AI & AIOps Automation Basics for Non-Technical Business Users

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.