Unleashing the Future: From Generative AI to Agentic Systems — Industry Trends and Enterprise Case Studies

BIOGRAPHY

Dr. Yunfei Bai is a Principal Solutions Architect and researcher at Amazon Web Services (AWS). With over 15 years of experience in Generative AI, Machine Learning, Data Science, and Data Analytics, he helps organizations apply AI technologies to solve real-world problems and create business value. Before joining AWS, Dr. Bai worked in various roles including Product Manager and Solution Consultant across multiple industries, where he designed and implemented AI/ML and data analytics solutions to tackle complex challenges. He earned his Ph.D. in Electronic and Electrical Engineering, has published research papers and technical blog posts, and serves as a reviewer for academic journals. Dr. Bai is passionate about advancing AI research and sharing practical insights to inspire the next generation of innovators.

ABSTRACT

Join us for a seminar exploring the latest advancements in Artificial Generative Intelligence (AGI), Large Language Models (LLMs), and Agentic AI systems. The session highlights emerging research and industry applications, including LLM post-training and fine-tuning for Small Language Models (SLMs), Vision-Language Models (VLMs) for multimodal reasoning, and Large World Models (LWMs) that simulate complex environments. We will also examine the foundations of AI agent frameworks and the rise of industry-specific agents that autonomously perform specialized tasks and enhance decision-making. Through enterprise case studies, participants will see how organizations are applying AGI and LLM technologies to solve real-world challenges, improve productivity, and drive innovation. This seminar is ideal for students interested in understanding how cutting-edge AI research is transforming industry and shaping the next generation of intelligent systems.