118 articles across the four series.

Series 1: The Core Architecture of Agentic AI (Foundational Concepts) (28 Articles)

This series focuses on the fundamental concepts, architectures, and theoretical foundations of intelligent agents and multi-agent systems.

- The Dawn of Agentic AI: How DeepSeek 3.1
- The Application of Autonomy: Agentic AI and Predictive Systems
- Exploring Agentic Automation: A Simulated Web Interaction with Gemini AI
- The Orchestrated Mind: Qwen3-Max and the Validation of Agentic AI
- The Architecture of Collaborative Intelligence: How DeepSeek and GLM Multi-Agent AI Systems Are...
- The Intelligent Checkout: OpenAI LLMs and the Agentic Commerce Protocol
- The Architectural Necessity of the Mixture of Agents (MoA) Paradigm using Together AI: Enhancing...
- Implementing a Mixture-of-Agents System with the Together AI API: A Computational Approach to...
- The Reflection of a Machine: A New Look at Consciousness and Agentic AI with...

- Agentic AI: The Next Frontier of Intelligent Systems
- AI Agents vs. The Agentic AI Paradigm: A Conceptual Analysis
- The Evolution of AI Model Interaction: From Conversational AI to Agentic Systems with DeepSeek API
- The Architecture of Tomorrow's Mind: Superintelligence Through SLMs, Agentic AI, and JEPA
- The AI Explorer! An Adventure in Interactive Learning with gemini-2.5-flash
- Elysia: An Agentic Framework for Tool-Augmented AI-Use Case with OpenAI GPT-5
- The LLM as Game Master: A New Era for Text Adventures with Gemini-2.5-Flash
- The Agentic Framework: Empowering Autonomy in Systems and Individuals
- The Synergy of AI Agents with GPT-5 and Grok-4 in Knowledge Creation
- OpenAI GPT-oss:20b-The Power of Collaboration: Exploring Multi-Agent AI Systems
- Unleashing the Potential: Embracing Multi-Agent and Multi-LLM Systems with DeepSeek and Kimi K2

- The Art of Context Engineering in AI Agents
- The Synergy of Multi-Agent, Multi-LLM Systems (OpenAI and Mistral) in Complex Problem Solving
- The Dawn of Collaborative Intelligence: Multi-Agent AI Systems Powered by Large Language Models
- Building Real-World Agentic AI Systems: A Practical Guide
- Utility-Based Agents: A Framework for Rational Decision-Making in AI
- Generative AI and AI Agents: Beyond Large Language Models
- The Evolutionary Path of AI: From Language Models to Agentic Intelligence Toward AGI
- Standardizing AI Communication: An Overview of Modern AI Agent Protocols

Series 2: Agentic AI in Finance and Trading (Algos, WFO, Crypto) (20 Articles)

This series covers applications of agentic and algorithmic systems in financial markets, trading, and cryptocurrency analysis.

- Assessing a Hybrid Algorithmic Trading Bot's Performance: The DANKA Bot Case Study
- OpenAI AgentKit SDK & Kraken: The Architecture of Autonomous Crypto FinTech
- The Agentic Trading Revolution: Autonomous Orchestration (Article 3 of 4)
- The Architecture of BOT FERRARI: A Hybrid CNN-LSTM Approach to Multi-Asset Cryptocurrency Trading
- Building Agentic Trading Bots: A Kubernetes-Driven Framework
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- The Power and Peril of Agent-Based Architecture in Algorithmic Trading
- The Imperative of Systematic Optimization in Agent-Based Trading Systems
- The Evolution of Automated Trading: An Analysis of a Multi-Agent Cryptocurrency Trading Bot
- AI and Algorithmic Trading: An Agent-Based Ensemble Trading Bot
- The Agentic AI Trading Bot: Revolutionizing Cryptocurrency Trading with Autonomy and Adaptivity

- The Symbiotic Intelligence: Deconstructing Financial Scenarios with Multi-Agent AI using...
- The Orchestrated Intelligence: A Multi-Agent Approach to AI Market Analysis with CrewAI and OpenAI
- The Transformative Power of Agentic AI in Banking with Grok-4: A Paradigm Shift for Personalized...
- Kraken: A Cornerstone of the Cryptocurrency Exchange Ecosystem with Agentic API Integration
- The Symphony of AI: Multi-Agent Systems in Simulated Financial Decision-Making with CrewAI...
- The Agentic AI in Financial Markets: A Case Study in Bitcoin Trading
- The Synergy of Agent AI and Gemini in Cryptocurrency Analysis
- The Power of Specialized Crypto AI Agentic Systems and Mistral LLMs in Complex Domains
- AI Agent Orchestration in Banking: A Direct Mistral Approach for Financial Services
- AI, Agentic Reasoning, and Financial Prediction: A Synergistic Approach with Magistral

Series 3: Agentic AI in Aviation and Logistics (Flight Planning, AOCCs) (43 Articles)

This series focuses on the heavy concentration of articles dedicated to flight planning, airline operations control centers (AOCCs), and space missions.

- The Emergence of DeepSeek API Agentic Systems in Modern Logistics: A Case Study in Airline...
- Harnessing Mistral Agentic AI for Travel Planning: A Case Study
- The Role of Stateful Autonomous Agents in Space Mission Planning: An Analysis with DeepSeek-v3.1
- V-JEPA and DEEPSEEKV3.1: An Integrated Agentic AI Approach to Conceptual Flight Planning
- AI in Airline Operational Control: A Multi-Agent Approach with DeepSeek-Reasoner
- The AI Agent for Flight Planning: Synergy of Predictive Analytics, LLMs, and AI Agents
- Agentic AI: The Future of Flight-7 Essential Layers that Power Autonomous Systems

- The Integrated AI Agent for Flight Planning: A Gemini 2.5 Perspective with JEPA and PLDM

- Gemini 2.5 and PLDM: An AI Agent for Intelligent Flight Planning in the Latent Space

- AI Agent for Flight Planning: A Multimodal Approach with V-JEPA and Gemini LLM

- The Synergy of Agentic AI, RAG, and LLMs in Flight Planning with Gemini 2.5 Flash

- The Autonomous AI Flight Planning Agent with OpenAI: A Synthesis of Intelligence and Practical...

- The Dawn of Autonomous Space Exploration: Agentic AI and a Grok-4, a powerful, large language...

- Agentic AI and Grok-4: The Synergy of AI and Specialized Tools in Flight Planning

- The AI-driven transformation of Airline Operational Control Centers (AOCCs) with Agentic AI and...

- The Revolution of AOCC: An Agentic AI Approach with Mistral API

- The Orchestrated Sky: Agentic AI, Mistral API, and the Future of Flight Planning

- The Autonomous AI Flight Planning Agent: A Paradigm of Intelligent Decision-Making with Mistral LLM

- The Orchestrating Mind: An AI Agent for Flight Planning with MISTRAL and MCP Principles

- An AI Agent for Advanced Space Flight Planning with DeepSeek [68]

- AI Flight Planning: The Synergy of Reasoning and Orchestration with LangChain and Gemini 1.5 Flash

- The Architecture of Intelligent Assistance: A Gemini-Powered Flight Planning Agent with Chroma...

- The Synergy of AI Agents, OpenAI, and Mistral AI in Advanced Flight Planning [71]

- Building Trustworthy AI: A Flight Planning Agent's Journey to Hallucination-Free Reasoning

- The Gemini 2.5 Flash Flight Planner AI: A Client-Server Solution for Optimized Travel

- The Orchestration of Order: RecoverAI, DeepSeek LLM, and the Future of Flight Disruption Management [74]

- MISTRAL AI Agents in Airline Operation Control Centers: A New Frontier

- The Orchestration of Air Travel: Agentic AI, DeepSeek and CrewAI-Powered Airline Operation Control

- Deep Dive: LLMs, Agentic AI, and MCP in Flight Planning

- The Reflective AI Agent: A Synthesis of Scientific Thought for Flight Planning with DeepSeek

- AI Agent Orchestration for Flight Optimization: A Direct Mistral Approach with Boeing 777 Focus

- AI Agent Orchestration for Tourism Travel Planning: A Direct Mistral Approach

- The Orchestration of Intelligence: A Look at Mistral AI's Flight Planning Agent Built by Mistral...

- The DeepSeek Flight Planning Agent: A Synthesis of Scientific Principles and AI Innovation

- Synergistic Space Exploration: A Llama 3 AI Agent for Advanced Flight Planning

- AI-Driven Flight Planning: A Multi-Agent Approach to Fuel Efficiency with CrewAI and DeepSeek

- The Adaptive AI Tourism Travel Planner: A Glimpse into the Future of Personalized Travel with...

- Designing an AI Agent for Flight Planning: Leveraging OpenAI's GPT-4o for Optimized Aviation.

- Optimizing Airline Operations: A Gemini 2.0 and Claude Opus 4 Powered AI Agent

- Unleashing Dual Intelligence: The Gemini Flash and Claude Opus 4 Synergy in Agentic Flight Planning

- AI Agents vs. Agentic AI: Orchestrating Intelligence and Debugging the Aviation Weather Analyst

- The Claude Flight Agent: A Unique AI-Powered Approach to Travel Planning

- The AI Travel Agent: A Unique Approach to Personalized Planning With Cache-Augmented Generation and...

Series 4: Advanced Topics, Multimodality, and Governance (Fine-Tuning, Ethics) (27 Articles)

This series comprises articles on specialized domains, fine-tuning techniques, and overarching concepts like multimodality, advanced reasoning, and governance.

- The Retrieval Bottleneck in Agentic RAG: When Reasoning Fails to Connect [92]
- Agentic with CrewAI-The Quantum Leap: Prospects and Challenges of Quantum Computing in the Next...
- The Modular Norm: A Principled Path to Scalable and Responsible Superintelligence
- The Small Revolution: SLMs, Agentic AI, and the Road to Superintelligence
- The Rise of Agentic AI in Software Engineering
- Multi-Agent AI for Clinical Decision Support using DeepSeek-V3.1:
- AI Agents in Protein Science: A DeepSeek Demonstration
- Agentic AI in Cybersecurity: Enhancing Defence with LLMs
- The Dawn of Intelligent AI: Understanding Agentic Retrieval-Augmented Generation [100]
- The Power of Agentic Retrieval Augmented Generation (RAG)

- AI Agents in Genomics: Automating and Enhancing Research Workflows with MISTRAL AI [102]

- AI Agents in Proteomics: Revolutionizing Scientific Workflows with MISTRAL AI [103]

- The Evolution of RAG: From Traditional to Agentic AI

- The Orchestrated Intelligence of AI Agents in Cancer Diagnostics

- AI Agent Orchestration for Drug Discovery: A Direct Mistral Approach

- AI Agent Orchestration for Predictive Maintenance: A Direct Mistral Approach

- AI Agent Orchestration in Healthcare: A Direct Mistral Approach for Medical Operations

- The AI Agentic Nature of a Text-to-SQL Solution

- The Synergy of DeepSeek LLM and Agentic AI in Modern Healthcare

- Integrating Gemini 2.0 and Claude Opus 4: A Multi-Agent AI Framework for Enhanced Medical Reasoning

- AI Agent Built from Fine-Tuned Llama 3 for Medical Inquiries

- Three Pillars of Next-Gen AI: Agentic AI, Reasoning Models, and Multimodal LLMs

- Introducing a Groundbreaking AI Agent for Movie Genre Prediction Using the OODA Loop and OpenAI's...

- The OODA Loop and Claude3: A New Paradigm for AI-Agentic Lunar Flight Planning

- AI Agent for Optimized Flight Planning: A Claude3 and OODA Loop Approach

- AI Agent and Claude 3: Implementing the OODA Loop for Decision-Making

- Towards Agentic Recipe Recommendation: A Prototype System Leveraging Phi-4's Language Capabilities...