

# Artificial Intelligence

## Pydantic AI

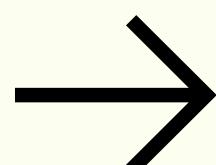
### Key Features:

- Strong focus on input/output validation and structured data handling.
- Ensures AI agents operate with clean and reliable data.

### Best For:

- Developers needing strict data validation in AI workflows.
- AI-driven applications requiring schema consistency.

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# Artificial Intelligence

## 🐝 Swarms

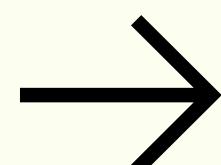
### 📌 Key Features:

- Inspired by swarm intelligence for agent collaboration.
- Handles large-scale distributed tasks efficiently.

### 📊 Best For:

- Complex optimization tasks.
- Large distributed agent networks.

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# Artificial Intelligence

## 👉 SmolAgents 😊

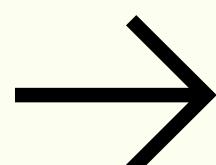
### 📌 Key Features:

- Lightweight, developer-friendly agents.
- Emphasis on simplicity and rapid prototyping.

### 📊 Best For:

- Quick proof-of-concept agent builds.
- Developers exploring lightweight agent systems.

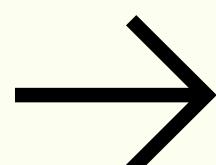
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## Choosing the Right Framework

- ✓ **LangChain, AutoGen** for General-Purpose AI Agents
- ✓ **LangGraph, CrewAI, OpenAI Swarm, Swarms** for Multi-Agent Collaboration
- ✓ **Agno (Phidata), Semantic Kernel** for Enterprise & Task Automation
- ✓ **LlamaIndex, Semantic Kernel** for Knowledge-Driven AI
- ✓ **Pydantic AI** for Data Validation & Structured Workflows
- ✓ **SmolAgents** for Quick Prototyping & Lightweight Agents



Artificial Intelligence

**IF YOU FIND  
THIS HELPFUL,  
LIKE AND  
SHARE IT WITH  
YOUR FRIENDS**

**Sourav Verma**

LIKE, SAVE & SHARE