

Professional skills matrix:

Skill Area	Current Competency Level	Development Actions	Timeline	Target Competency Level
Technical Skills in Machine Learning	Intermediate	Practice more complex algorithms like reinforcement learning and hybrid agent systems. Work on Kaggle competitions.	6 months	Advanced: Able to design, deploy, and optimize advanced agent systems.
Ethical Awareness in AI	Developing	Participate in more ethical discussions related to AI systems. Research ethical AI case studies and legal frameworks.	Ongoing	Advanced: Responsible AI design considering fairness, transparency, and accountability.
Communication & Collaboration (Virtual Teams)	Intermediate	Continue using collaboration tools like GitHub and Trello. Actively contribute to group projects and peer discussions.	Ongoing	Advanced: Effective communication and leadership in virtual teams.
Project Management	Developing	Take courses on project management and agile methodology. Lead a small AI project to apply learned management strategies.	6 months	Advanced: Able to independently manage and deliver projects in a team environment.
Programming Skills (Python, AI Libraries)	Intermediate	Regularly work on Python-based AI projects. Learn more advanced libraries such as TensorFlow	3-6 months	Advanced: Proficient in Python and relevant AI frameworks.
Critical Thinking & Problem Solving	Developing	Engage in critical analysis of case studies and real-world applications. Solve increasingly complex AI problems.	Ongoing	Advanced: Able to tackle complex AI problems independently and critically.