

# At a Glance

Use RAG with LlamaIndex, IBM watsonx models (including Granite 3.0), and ProxyCurl API to gather insights from LinkedIn profiles, enabling the generation of a personalized icebreaker bot with career insights, and more. The system extracts fun facts, career highlights, and personal interests to craft unique conversation starters. Ideal for networking, job interviews, or social events, this icebreaker bot helps you make a strong impression with customized insights, making your introductions more engaging and memorable in any professional or social setting.

***Disclaimer: As of February 2025, Proxycurl has been discontinued, so the online approach requiring a valid Proxycurl API key is no longer functional (please disregard the video demonstrations that still reference this option). However, the offline option using mock data remains fully functional. The remainder of the lab still effectively demonstrates how to build a RAG application with LlamaIndex and Granite. Please use the mock data to complete the lab. We have retained the code sections demonstrating API usage, should you wish to substitute Proxycurl with another service for your own development purposes.***

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Imagine this: You're heading to a high-profile networking event, one filled with industry leaders, potential employers, and future collaborators. You've done your research—sort of. You've scrolled through LinkedIn, trying to learn more about the people you'll be meeting, but the profiles are overwhelming, and your nerves are kicking in. You need to make a good first impression, but how can you stand out when everyone is likely preparing the same generic questions and introductions?

Now, picture this instead: You walk into the event feeling confident, armed with an **AI-powered tool** that has already done the hard work for you. You type a name into your phone, and in seconds, the bot scours **LinkedIn** gathering relevant facts—personal interests, recent career milestones, skills and projects. The bot, powered by **LlamaIndex** and **IBM watsonx models (including Granite 3.0)**, generates a set of **personalized icebreakers**, designed just for this moment.

Instead of starting with the usual "So, what do you do?" you lead with something unique: "I saw you recently spoke at a conference about AI ethics. That must have been an incredible experience—what's one key takeaway you've had from those conversations?" Immediately, you've caught their attention. It's personal, informed, and shows you've done your homework—except, you didn't have to, because your AI assistant did it for you.

The **AI icebreaker bot** turns the stress of introductions into an opportunity to shine. By leveraging advanced **data extraction** techniques and **natural language processing (NLP)**, it gathers meaningful insights and generates tailored conversation starters, helping you break the ice with

anyone—whether it's a potential employer, a colleague, or even at a social gathering.

This is the problem the **AI icebreaker bot** solves. It's not just about finding facts—it's about helping you connect with people on a deeper level, whether you're navigating a professional event or making new friends. By the end of this project, you'll have built an AI-driven tool that removes the guesswork from introductions, empowering you to make memorable first impressions wherever you go.