SCENARIO 1

You are an AI practitioner working on the HR team for a tech startup. Your company wants to make their hiring process faster and less prone to human bias, so they ask you to build an automatic resume-screening tool. You decide to train this tool on the resumes of individuals who have been successful at your company, so it will identify similar individuals in the future. Since you only have a few employees, you also search LinkedIn for individuals with the same job at different companies and scrape their resume information. With this larger dataset, you build a resume-screening model. Your company deploys this model as the first step in your new hiring process; individuals who make it past the resume screen are then interviewed by humans on your team.

What ethical considerations can you think of related to building and deploying the AI tool in this scenario?

SCENARIO 2

You are an AI practitioner working for a large healthcare system. Due to a recent pandemic, the hospitals in your system are overwhelmed and doctors are struggling to triage, diagnose, and treat patients. You are asked to build an AI tool to help take some of the burden off healthcare workers by reading in patient chest X-rays, determining whether they have the virus causing the pandemic, and triaging them according to how severe their case is. You ask the hospitals in your network (including large, small, rural, urban, pediatric, non-pediatric, etc.) to send you chest X-rays for patients who had and patients who did not have the virus. You build a model with this data and send it to all of the hospitals in your system to use as they see fit.

What ethical considerations can you think of related to building and deploying the AI tool in this scenario?

SCENARIO 3

You are a landlord in a large city. Tenants at one of your high-rise properties have been complaining that their packages are frequently being stolen from the building's common areas. To address this, you decide to purchase facial recognition software from an external vendor. You plan to install face scanners outside of the building's entrances that are trained to recognize your tenants and refuse entry to anyone else. To set up your system, you ask your tenants to upload a well-lit picture of their face to the AI vendor's website. The vendor will save the tenant photos as approved building residents, and the system will scan the faces of everyone who tries to enter the building against that list going forward.

What ethical considerations can you think of related to building and deploying the AI tool in this scenario?