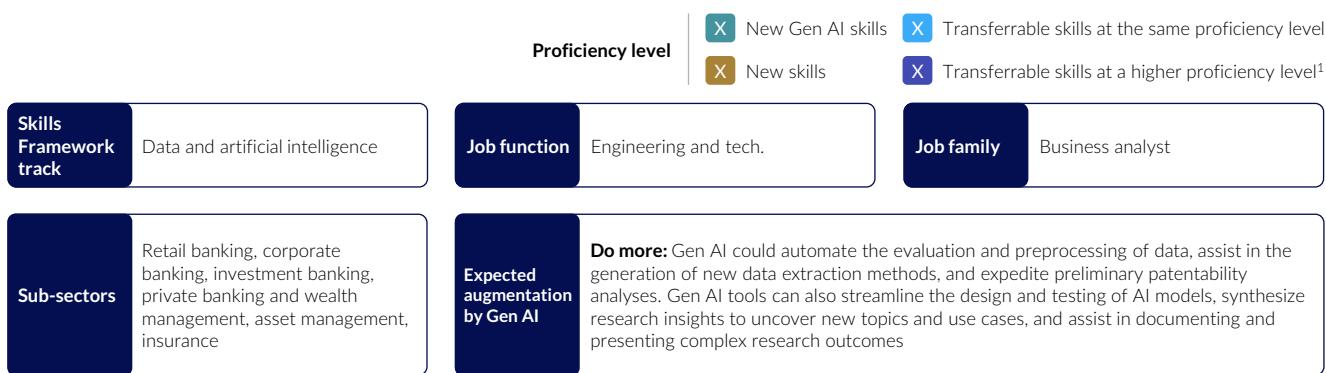


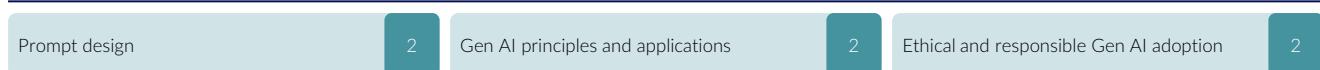
Artificial intelligence applied researcher



Key tasks that can benefit from Gen AI

Critical work functions	Key tasks
Manage data collection and preparation	<ul style="list-style-type: none"> Ensure quality and suitability of data for AI research and development Assess suitability of data extraction methods for research and development Explore new data sources and techniques to enhance research and development outcomes
Manage IP processes and procedures	<ul style="list-style-type: none"> Perform preliminary analysis on patentability of AI solutions Assist in the creation, application, and assignment of IP legal rights for AI solutions Assist in IP due diligence and landscape analysis to determine new IP for AI solutions
Build AI models	<ul style="list-style-type: none"> Design experiments to test AI models Synthesize insights across AI research projects to identify new research topics Provide guidance to the team on developing new AI models using suitable learning and modeling methods Lead the analysis, simulations, and relevant testing procedures of AI models Lead prototype development of AI solutions for large-scale deployment
Conduct AI research and development	<ul style="list-style-type: none"> Review AI literature to identify emerging trends, methods, technologies, and best practices Synthesize research to identify potential use cases and new research and development activities Evaluate AI research methodologies and processes to identify areas for improvement Document and present AI research and development outcomes to senior management and business stakeholders at public forums

New Gen AI skills



1. Transferrable skills with an increase in one level of proficiency is considered easier to acquire than transferable skills with multiple levels of increase in proficiency, followed by net new additional skills. Depending on job redesign for the financial institution, the financial institution will have to pick select skills to reskill employees on, via a combination of on-the-job training and existing courses.

Source: SkillsFuture Skills Framework