Using AI to Connect Veterans with Registered Apprenticeships

CHALLENGE: Develop tools that use artificial intelligence algorithms or natural language processing technology to match veterans to registered apprenticeship programs.

PROBLEM: Veterans have difficulty translating their military skills to civilian skills. This is both a relevancy problem (they don't know how their military skills relate to civilian skills) and a communication problem (they don't know how to describe their military skills into civilian terms). As a result, veterans are matched to – and subsequently employed in – jobs that do not fully utilize their skills.

WHY IS THE PROBLEM IMPORTANT: DOL places a priority on preparing and providing veterans with career opportunities. Both DOL and the Administration also place a priority on providing high quality job training through registered apprenticeships (for example - a recent Executive Order directed expansion of apprenticeships). By showing the relationship between specific military skills to related civilian skills, digital tools can help veterans understand what civilian jobs and registered apprenticeship programs match to their military skills, helping them to succeed in the workforce.

TARGET AUDIENCE: Veterans

POTENTIAL DATASETS:

- Veterans resumes
- Job postings
- Registered apprenticeship listings
- BLS job outcomes data
- Census salary data
- Census American Community Survey (ACS)
- O*NET occupational listings