Action Plan
Artificial Intelligence: Preparing Your Career for AI

Purpose: To develop an action plan to help you prepare your career for AI.

Instructions: First, you will identify the problem, your overall goal, and your criteria for success. Next, you will list your strengths and weaknesses. Then you will identify the high-level steps necessary to complete your goal. Finally, you will provide details for each step that are (SMART) specific, measurable, actionable, realistic, and timely.

Note: This is just an example to give you an idea of what a real action plan might look like, please do not use this example as your actual action plan.

Problem: Many tasks in current job as a database administrator are at a high risk of being automated

Overall Goal: To transition into a role as an AI developer using pre-trained AI models

Success Criteria: I have a new job where I develop applications in Python using pre-trained AI models

Why?: I want to have job security, higher income, meaningful work, and the respect of my peers

Strengths:

- I have existing programming skills
- I enjoy taking online courses
- I'm smart and highly motivated

Weaknesses:

- I don't know Python
- I don't have a lot of free time
- I don't know where to start

Steps:

1. Learn basic AI literacy
2. Learn how to program with Python
3. Learn basic data science with R
4. Learn basic machine learning with Python
5. Learn basic deep learning with Python
6. Learn how to use pre-trained AI models
7. Practice my skills
8. Apply for a new position

1. Learn Basic AI Literacy
Why: To fill in the gaps in my knowledge about the basics of AI
How: Take the online course on Artificial Intelligence: The Big Picture
Where: https://matthewrenze.com/courses/artificial-intelligence-the-big-picture/
When: Feb 1st

2. Learn How to Program with Python
Why: Because Python is the most popular language used in AI
How: Take the online course on Learn Python 3
Where: https://www.codecademy.com/learn/learn-python-3
When: March 1st

3. Learn Basic Data Science with R
Why: To learn data science using R – its most popular language
How: Data Science with R
Where: https://matthewrenze.com/courses/data-science-with-r/
When: April 1st

4. Learn Basic Machine Learning with Python
Why: To learn the foundations of machine learning using Python
How: Machine Learning with Python
Where: https://www.coursera.org/learn/machine-learning-with-python
When: May 1st

5. Learn Basic Deep Learning with Python
Why: To learn how deep neural networks work using Python
How: Deep Learning with Keras
Where: https://www.pluralsight.com/courses/keras-deep-learning
When: June 1st

6. Learn How to Use Pre-trained AI Models
Why: To solve real-world problems with existing AI models
How: The AI Developer Toolkit
Where: https://matthewrenze.com/courses/ai-developers-toolkit/
When: July 1st

7. Practice My Skills
Why: To ensure I feel comfortable with my skills and to build my portfolio
How: Complete five of the top Kaggle learning competitions
Where: https://www.kaggle.com/competitions
When: Oct 1st

8. Apply for a New Position
Why: To get an entry-level role as an AI developer
How: Update my résumé and submit for AI Developer role
When: Nov 1st