

Action Plan (Example)

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 my current job as a database administrator are at a high risk of being automated

Overall Goal: To transition into a new 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 or R
- 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 extensively
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 an online course on basic AI literacy

What: 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 an online course on programming with Python

What: 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: Take an online course on data science with R

What: 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: Take an online course on machine learning with Python

What: 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: Take an online course on deep learning with Python

What: 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: Take an online course on using pre-trained AI models with Python

What: The AI Developer Toolkit

Where: <https://matthewrenze.com/courses/ai-developers-toolkit/>

When: July 1st

7. Practice My Skills Extensively

Why: To ensure I feel comfortable with my skills and to build my portfolio

How: Complete five of the top Kaggle learning competitions in three months

What: Kaggle

Where: <https://www.kaggle.com/competitions>

When: Nov 1st

8. Apply for a New Position

Why: To get an entry-level role as an AI developer with a great company

How: Update my résumé and submit applications for a role as an AI Developer

What: Résumé

When: Dec 1st