As you complete the Career Preparation Modules and related readings, activities, and assignments you have created a Job Search Strategy that is unique to you. Use the following template to document your job search plan at this point in time. As you begin to implement your plan your goals, motivations, job interests, etc. may change. Therefore continue to use this template as way to keep yourself accountable and focused to find a job, employer, and career that best fits your needs and is unique to you.

Your Name: Nisharg Gosai **Date: 12/7/23**

List your career goals. - Module 2 - Using the SMART goal method develop your list of 3-4 Career goals.
Insert your 3-4 SMART career goals here.

Deepen Machine Learning Expertise:
Specific: Master advanced techniques in machine learning, focusing on neural networks and deep learning.
Measurable: Complete an advanced ML course and apply concepts in two complex projects.
Achievable: Dedicate 6 hours weekly for study and project work.
Relevant: Deep learning is vital for cutting-edge data science applications.
Time-Bound: Achieve this within 6 months.

Enhance Big Data Processing Skills:
Specific: Gain proficiency in big data tools like Apache Spark or Hadoop.
Measurable: Implement these tools in a large-scale data project.
Achievable: Integrate learning into current work or personal projects.
Relevant: Big data processing is crucial for handling massive datasets in data science.
Time-Bound: Complete within the next 8 months.

Publish a Research Paper:
Specific: Conduct original research in machine learning and publish findings.
Measurable: Complete and submit a paper to a reputable journal or conference.
Achievable: Utilize current expertise and collaborate with peers or mentors.
Relevant: Publishing enhances credibility and contributes to the ML community.
Time-Bound: Target a 12-month period for completion.

List your experience, skills, and strengths. Reflect back on the readings and activities you completed in Module 4 – Build Your Brand. Create a list of your top 5 skills and your top 5 strengths. Include a brief example for at least 3 of your top skills, i.e., how you demonstrated the skill, and a brief example for at least 3 of your top 3 strengths, i.e., how you demonstrated the strength.

Insert your top 3 skills with your examples and your top 3 strengths with examples here.

Based on your experience and the example provided, here are your top 3 skills and strengths:

Top 3 Skills:
1. Data Analysis and Visualization:
   - Example: Built a Python-based search engine for a Book Recommender System, integrating data visualization to enhance user experience and accessibility.

2. Machine Learning and Algorithm Development:
   - Example: Developed and implemented a Credit Fraud Detection model using logistic regression, demonstrating advanced analytical and algorithmic skills.

3. Programming and Project Management:
   - Example: Led the assembly and software installation in hardware technology projects, showcasing strong programming and project coordination skills.

Top 3 Strengths:
1. Analytical Thinking:
   - Example: Analyzed complex data sets in various projects, identifying key patterns and insights to drive decision-making processes.

2. Problem-Solving:
   - Example: Solved complex technical issues during the development of data-driven projects, enhancing overall project efficiency and output quality.

3. Adaptability and Continuous Learning:
   - Example: Adapted to new technologies and methodologies in data science and machine learning, continuously updating skills to stay current in a rapidly evolving field.

Create your list of companies you'd like to work for from the list you created in Module 3 – Researching the Job Market. Modify the list to include 6-8 companies that interest you the most. This is an opportunity to not only list the companies but also include comments on why you would like to work there.

Insert your list of the top 6-8 companies and why you would like to work for them here

Here's my list of top companies for data science and machine learning roles, along with reasons to work there:

1. Google:
   - Pioneering AI research and development, Google offers unparalleled resources and data, ideal for cutting-edge machine learning projects.

2. IBM:
   - Renowned for innovations in AI and computing, IBM provides a platform for impactful data science work in various industries.

3. Microsoft:
   - Offers diverse opportunities in AI, cloud computing, and more, with a focus on ethical AI and large-scale machine learning applications.

4. Amazon:
   - At the forefront of AI in e-commerce and cloud services, offering unique challenges in machine learning and data analysis.

5. Facebook:
   - Provides vast datasets and opportunities in social media analytics, focusing on machine learning for user experience enhancement.

6. Apple:
   - Known for its innovation, Apple offers roles in developing AI and ML for consumer technology and services.

7. NVIDIA:
   - As a leader in GPUs, NVIDIA is at the cutting edge of AI hardware, offering roles in optimizing machine learning models.

8. DeepMind:
   - Specializes in AI research for solving complex problems, ideal for those passionate about groundbreaking AI advancements.

Create a “to-do” list prior to starting your job search. An effective “to-do” list is not just a list of things that you plan to do. Instead, it is a list of things you plan to do that includes prioritization and due dates.

Some examples of action items include: researching your top 5 companies of interest to learn more about what they do and their company culture. Or a list of the top 5 job descriptions you plan to research. Or creating a list of your professional references and contacting these references to request permission to use their name and contact information should an employer request your list.

Create a “to-do” list of the top 5 items that you plan to accomplish as you start your job search. Set realistic deadlines for when each item should be finished so that you are accountable and more likely to complete all tasks. After writing down your "to-do list" items, add the items to a calendar or schedule.

Insert your “to-do” list below. Include realistic dates when you plan to complete each task. Note that this is your “to-do” list at this point in time. As you complete the tasks you will continue to add more to your list.

1. Research Top 5 Companies of Interest
   - Task: Investigate companies like Google, IBM, NVIDIA, DeepMind, and Microsoft for their work in AI and machine learning.
   - Deadline: December 15, 2023.
   - Calendar Entry: Allocate 2 hours each evening from December 10 to December 14 for research.

2. Analyze Top 5 Job Descriptions
   - Task: Examine job descriptions for roles like Data Scientist, Machine Learning Engineer, and AI Researcher at the selected companies.
   - Deadline: December 20, 2023.
   - Calendar Entry: Spend 1 hour on December 18, 19, and 20 for analysis.

3. Prepare and Update Resume and Cover Letter
   - Task: Revise your resume and cover letter to align with job descriptions and company cultures, emphasizing machine learning and data science skills.
   - Deadline: December 25, 2023.
   - Calendar Entry: Dedicate 2 hours daily from December 21 to December 24 for updates.

4. Develop a Portfolio of Machine Learning Projects
   - Task: Compile and refine a portfolio showcasing your machine learning projects, technical skills, and significant achievements.
   - Deadline: January 10, 2024.
   - Calendar Entry: Invest 1-2 hours every alternate day from December 26 to January 9 for portfolio development.

5. Enhance LinkedIn Profile and Professional Network
   - Task: Update your LinkedIn profile with recent experiences in data science and machine learning; actively connect with industry groups and professionals.
   - Deadline: January 15, 2024.
   - Calendar Entry: Dedicate 30 minutes daily from January 6 to January 14 for profile updates and networking.

6. Attend Industry Webinars and Networking Events
   - Task: Participate in webinars and events related to data science and AI to keep abreast of industry trends and network with professionals.
   - Deadline: Ongoing, starting January 16, 2024.
   - Calendar Entry: Plan to attend at least two events per month, starting mid-January.

What is your professional brand? Refer to Module 4 – Build Your Brand – the module in which you created your Professional Introduction (Elevator Pitch).

Include your written Professional Introduction (Elevator Pitch) here.

Hi, I'm Nisharg Gosai, a Master's student in Data Science at Northeastern University, specializing in Machine Learning, AI, and Data Management. I have a strong foundation in Computer Science, backed by relevant internships in data analysis and hardware technologies. I have worked on various Machine Learning and Data Analytics projects using Java, Python, SQL, and various data science libraries. My goal is to leverage my analytical skills and technical knowledge to make a significant impact in a data-focused role. I am passionate about creating insightful data-driven solutions and dedicated to working with a team that shares my goal of making data-driven decisions. If you're looking for a highly motivated and analytical data scientist, I am the one for you!

Participate in networking opportunities - Module 5 – Building Your Network. Review the sites for On-campus and Off-campus Networking events. (Websites included in the module) Check out different Networking events and identify the ones you are interested in attending. Register for the event!

Insert a list of 3-4 Networking events you plan to attend here

1. Navigating a Sea of Data: From App Development to Data Science at Google
Event Details: Explore the world of data and its applications in web development and data science, with a focus on generative AI and predictive AI, and a discussion on ethical considerations.
Why Attend: Gain insights into the transition from app development to data science, understand various AI approaches, and learn about data ethics from JL Marechaux, Marketing Science lead at Google.
Date and Location: Tuesday, December 19, 2023 at 12:00 PM to Tuesday, December 19, 2023 at 1:00 PM EST (Online).
Registration: Sign up by December 12. Registration details should be available on the webinar's announcement page.

2. WEBINAR: From Raw Data to Insights: Simplifying Data Validation and Enrichment
Event Details: Learn about critical data validation for datasets like address and contact information and simplifying data processes with Emily Washington and Andy Bell from Precisely.
Why Attend: Understand the importance of data validation, accelerate time to insight, and streamline data management for better decision-making.
Date and Location: Thursday, December 14, 2023 at 12:00 PM to Thursday, December 14, 2023 at 1:00 PM EST (Online).
Registration: Sign up by December 7. Registration details should be available on the webinar's announcement page.

3. WEBINAR: "Building Responsible and Safe Generative AI Applications"
Event Details: Mehrnoosh Sameki from Microsoft discusses responsible AI practices in large language models (LLMs), focusing on evaluation, operationalization, and safety.
Why Attend: Dive into responsible AI and learn about mitigating risks in generative AI applications, ensuring fairness, and improving quality and safety.
Date and Location: Tuesday, December 12, 2023 at 12:00 PM to Tuesday, December 12, 2023 at 1:00 PM EST.

Registration: Sign up by December 10. Registration details should be available on the webinar's announcement page.