**ASSIGNMENT-II**

Based on the discussion from the session complete the following tasks.

* Make an exhaustive list of skills that you possess, which can be later used in resume-making.
* Make a list of the recognition that you have gained in the form of awards and achievements.
* Make an exhaustive list of personal qualities that you consider strengths and what you have achieved using them.

Make a video adding the skills and strengths part discussed in this session and the introduction topic discussed in the previous session.

Ans:  
List of Skills:

1. Programming Languages:

* Python
* Java
* C++
* JavaScript

2. Data Analysis and Visualization:

* Pandas
* NumPy
* Matplotlib
* Seaborn
* Tableau

3. Machine Learning:

* Supervised Learning (Regression, Classification)
* Unsupervised Learning (Clustering, Dimensionality Reduction)
* Ensemble Methods (Random Forests, Gradient Boosting)
* Deep Learning (Neural Networks, Convolutional Neural Networks)

4. Statistical Analysis:

* Hypothesis Testing
* ANOVA
* Regression Analysis
* Experimental Design

5. Data Manipulation and Cleaning:

* SQL
* Regular Expressions
* Data Preprocessing Techniques

6. Big Data Technologies:

* Hadoop
* Spark
* Hive

7. Cloud Computing:

* Amazon Web Services (AWS)
* Google Cloud Platform (GCP)

8. Problem Solving and Algorithms:

* Data Structures
* Algorithms
* Problem-solving methodologies

9. Communication and Presentation:

* Effective Communication
* Data Visualization and Storytelling
* Technical Writing

List of Awards and Achievements:

* Academic Excellence Award: Received recognition for achieving the highest GPA in the academic year.
* Data Science Hackathon Winner: Won the first prize in a university-level hackathon by developing an innovative predictive model.
* Research Paper Publication: Published a research paper in a renowned journal on the application of machine learning in healthcare.
* Best Presentation Award: Received an award for delivering the best presentation at a national conference on data science.
* Data Visualization Competition Finalist: Selected as a finalist in a data visualization competition organized by a leading tech company.

List of Personal Qualities and Achievements:

* Leadership Skills: Successfully led a team of five members for a group project, resulting in the completion of the project ahead of schedule and receiving positive feedback from the professor.
* Problem-solving Skills: Developed an innovative algorithm to optimize a time-consuming data processing task, reducing the processing time by 50% and improving overall efficiency.
* Adaptability: Demonstrated adaptability by quickly learning and implementing a new programming language, resulting in increased productivity and successful completion of a project.
* Collaboration: Collaborated with a cross-functional team of engineers, designers, and marketers to develop a web application, ensuring effective communication and delivering a high-quality product.
* Strong Analytical Skills: Applied advanced statistical analysis techniques to identify patterns in a large dataset, leading to valuable insights for business decision-making.
* Attention to Detail: Implemented thorough data validation techniques, resulting in improved data accuracy and reliability for critical decision-making processes.
* Continuous Learning: Actively engaged in self-learning and keeping up with the latest trends and advancements in the field of data science through online courses, webinars, and industry forums.