HUNAR INTERN

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INTERNSHIP PROGRAM

MACHINE LEARNING

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DURING YOUR INTERNSHIP TENURE,

IT IS IMPORTANT TO KEEP IN MIND THE FOLLOWING POINTS

1

Enhance Your Professional Presence

- Update your LinkedIn profile.
- Share achievements such as your offer letter or internship completion certificate.
- Mention and tag Hunar Intern Company in your posts.
- Use hashtags like #HunarIntern, #HunarTech, #HunarCompany to showcase your affiliation.

2

Maintain Academic Integrity

- Respect intellectual property.
- Avoid plagiarism and copying code.
- Understand that violations can lead to the termination of your internship and subsequent restriction from future opportunities with us.

3

Demonstrate Your Work

- Share a video showcasing the completion of your tasks on LinkedIn.
- Tag Hunar Intern Company in your post.
- Use relevant hashtags like #HunarIntern,#HunarTech,#Hunar Company to engage with our community.

4

Engage with the Community

- Participate in company events and activities.
- Connect with fellow interns and colleagues.
- Join and contribute to discussions on company forums and social media Groups

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SUBMISSION

- Create a new GitHub repository with the name Hunar Intern and upload your task on it.
- Create a professional video showcasing your internship projects and Achievements
- Host the video on LinkedIn to provide proof of your work and establish credibility among your peers. Consider tagging hunar intern in your posts to ensure they are notified of your work.
- A SUBMISSION FORM will be shared later. Till then please continue your task and make a separate file of each level.
- When posting the video on LinkedIn, include the following hashtags to maximize visibility and engagement: #hunarintern #hunarTech. Additionally, depending on your Internship Domain

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Breast Cancer Detection

TASK: 3

LEVEL: Challenging

DESCRIPTION

Create a model using KNN classification that categorize breast tumors as maligant or benign based on features of dataset .

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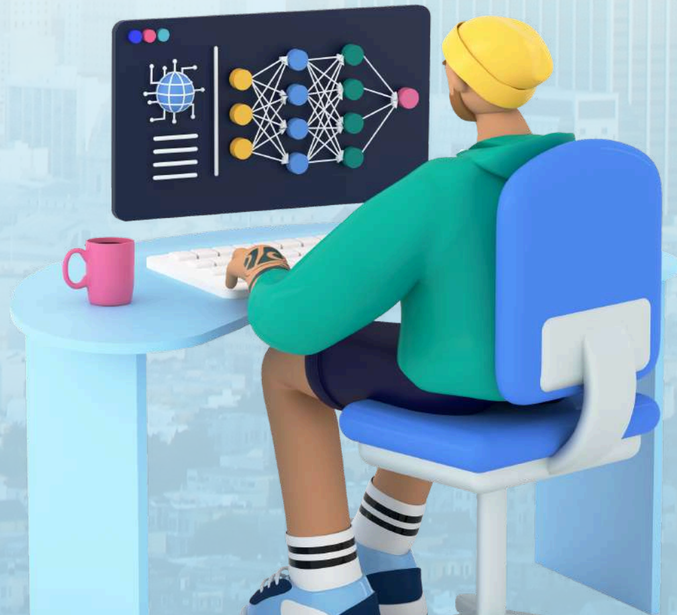
REQUIREMENTS

Basic understanding of Machine learning model(KNN classifier).

Jupyter Notebook or any Python environment.



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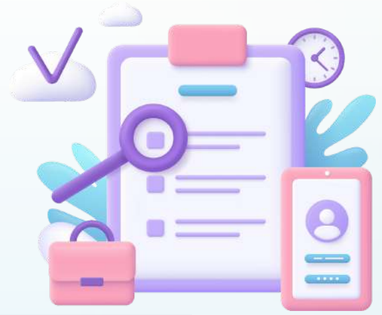
STEPS TO FOLLOW



1

Data Set:

It is given to you with this task file.

2

Data preprocessing:

Handle missing values and Split the dataset into training and testing sets for model evaluation.

3

k-NN Algorithm:

- Choose an appropriate value for 'k,'the number of nearest neighbors to consider.
- Apply the model into training dataset

4

Model Evaluation:

- Use the testing set to assess the model's accuracy,precision, recall, and F1 score.
- Adjust 'k' if needed for better results.

5

Testing:

Test your model by giving different set of data.

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What You'll Learn:

Concept of KNN Classification Algorithm.

Solving Classification and categorization problems.

ADDITIONAL SUGGESTIONS(OPTIONAL):

- You can use your own data if you want.
- You can use image data for classifying breast cancer.
- Explore more algorithm to detect breast cancer.

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CONCLUSION

By working on a breast cancer project, you'll gain a deeper understanding of the intersection between machine learning and healthcare, contributing to advancements in early detection, treatment, and overall patient cares.