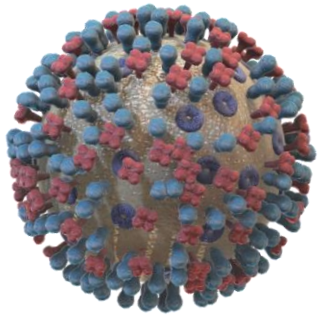
CHANDIGARH UNIVERSITY

Discover. Learn. Empower.

INSTITUTE : UIE

DEPARTMENT : APEX INSTITUTE OF TECHNOLOGY(CSE)



INDUSTRIAL SUMMER TRAINING

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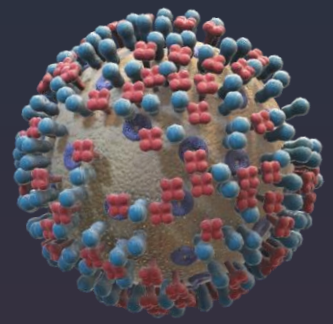
Section: 20AML-4
Group: B

DISCOVER . LEARN . EMPOWER

Overview



1.About the company
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3.About the project
4.Learning Outcome
5.Conclusion

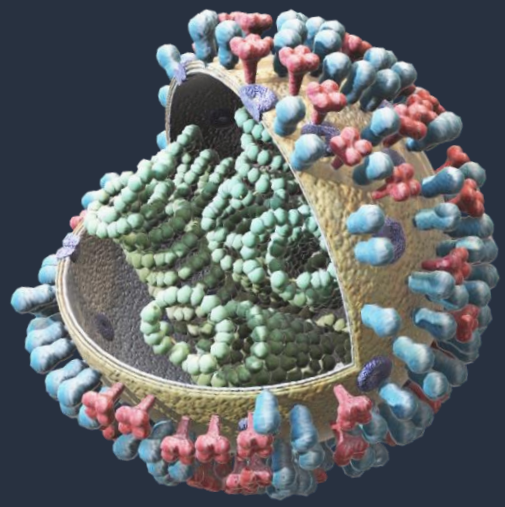
About the Company

Company Name: **Internshala Trainings**
Company's website: internshala.com

Internshala is an internship and online training platform, based in Gurgaon, India. Founded by Sarvesh Agrawal, an IIT Madras alumnus, in 2011, the website helps students find internships with organisations in India.
Internshala is India's no.1 internship and training platform with 40000+ paid internships in Engineering, MBA, media, law, arts, and other streams.

Company's Vision:

Internshala is a tech company on a mission to equip students with relevant skills & practical exposure to help them get the best possible start to their careers. Imagine a world full of freedom and possibilities. A world where you can discover your passion and turn it into your career. A world where you graduate fully assured, confident, and prepared to stake a claim on your place in the world.



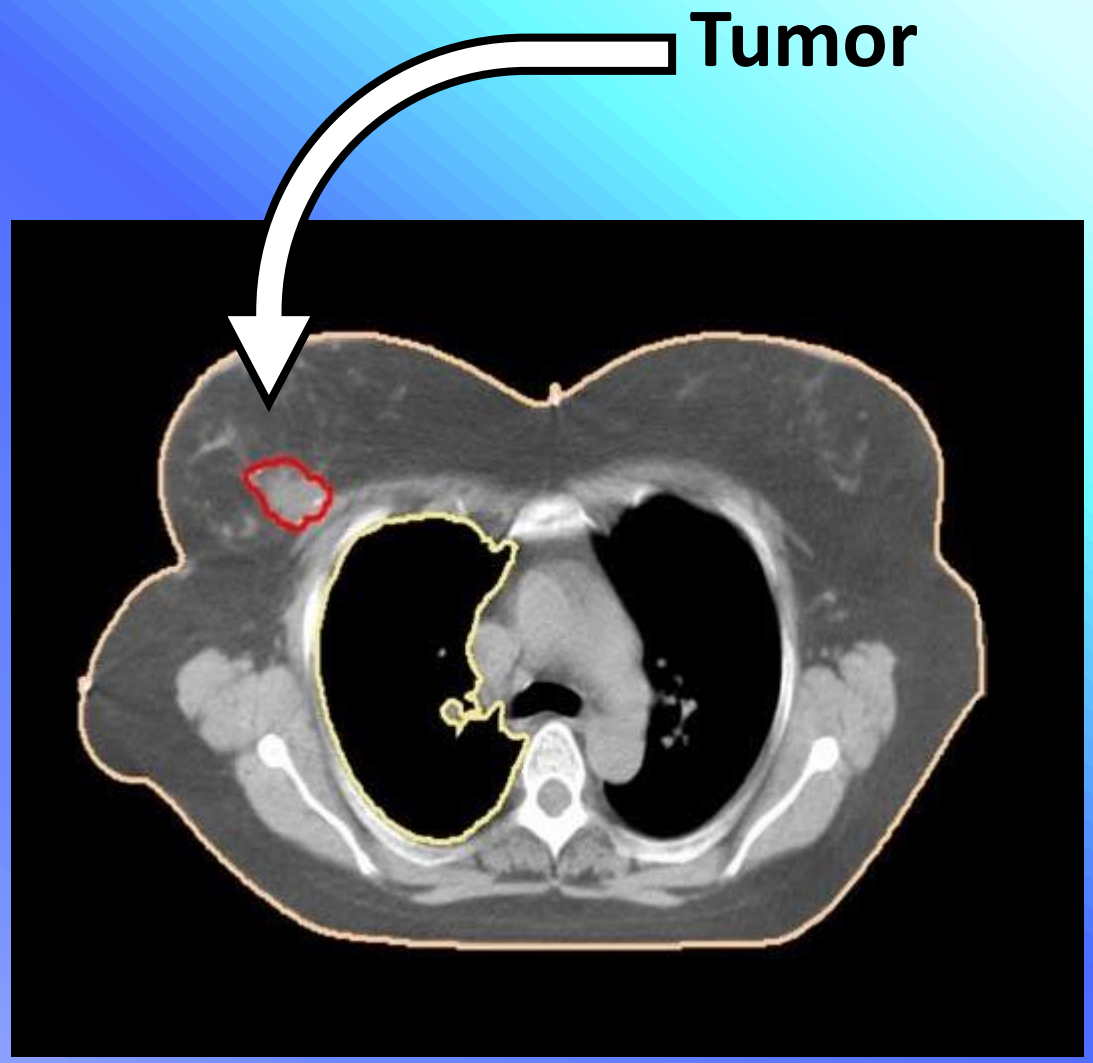
Why to choose this company

Internshala is an internship and online training platform, based in Gurgaon, India. The website helps students find internships with organisations in India. Internshala is India's no.1 internship and training platform with 40000+ paid internships in Engineering, MBA, media, law, arts, and other streams.

Internshala is one of the best free online courses provider. It offers university-level courses in varieties of disciplines. You can browse various subjects like Computer science, language, data science, engineering, and more.
Trainings that are available are taught by expert instructors. Students can also develop new skills and achieving their goals by learning from the extensive library of various courses. It also provides the best of the training courses with hands on experience in projects.

Breast Cancer Detection

Using Python ML



Hardware & Software Requirements

- Processor- i5 or above
- Storage 10Gb
- RAM 8Gb
- Monitor 17’colored, Keyboard Mouse
- Working OS Windows, Linux or MacOS
- Appropriate Scripting Language, here Python
- & IDE, Juypter notebook

Background

In the background of this project, used libraries are given below-

- **Pandas –** is a software library written for the Python programming language for data manipulation and analysis
- **Numpy**- NumPy is a library for the Python programming language, adding support for large, multi-dimensional arrays and matrices, along with a large collection of high-level mathematical functions to operate on these arrays.
- **Matplotlib-** matplotlib is a plotting library for the Python programming language and its numerical mathematics extension NumPy. It provides an object-oriented API for embedding plots into applications using general-purpose GUI toolkits like Tkinter, wxPython, Qt, or GTK
- **Seaborn-** Seaborn is a Python data visualization library based on matplotlib. It provides a high-level interface for drawing attractive and informative statistical graphics

Breast Cancer Detection Steps

1) Importing Libraries; pandas, numpy, matplotlib, seaborn & sklearn.

2) Importing Dataset; using sklearn.datasets.

3) Creating dataframe from the data; using pandas.

4) Splitting data into train & test set.

5) Standardized the data; using standard scalar of sklearn.

6) Train logistic regression

7) Plot a confusion matrix to get accuracy & error.

Thank You

By:-
Amanjot Singh