

Organisers



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SMART INDIA
HACKATHON
2020

PS-DEVELOPING A SCIENTIFIC CAREER COUNSELLING SOFTWARE

PS No-MK106

Ministry-Govt. Of Uttarakhand

Team name-DRIFTERS 3.0

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College Name-BHAGALPUR COLLEGE OF ENGINEERING

Partners



DEVNET



KPIT

Communication Partner



Media Partner



CONCEPT OF OUR IDEA

The main concept of our idea is to provide users a right direction in terms of their career related issue. We have developed a software which is based on Artificial intelligence containing Psychometric test , and questions of this test has collected from different trusted educational source and through a deep study. This will be provided with an App where users have to register and go through this Psychometric test ,where they will face some questions related to their interest and according to their chosen answer it will predict 1 or 2 career and there will be description of this predicted career, beside these there are levels (from post matric to professional level), for these individual levels aptitude quiz have provided in each field where user can test their knowledge in respective fields . Along with all of these features we are providing personality test through our website where user can check their personality category and also in the website we are providing the content that will be description of the career in our own material with all essential materials like institute to refer(not only top 10), book to refer etc.

Goal of this software

- Providing career related guidance to our users
- To make youth of this country full of skill, if they get a field suitable and comfortable for them it will make them to go deeper and deeper
- To create awareness regarding areas of interest and prospective career fields.
- To provide more and more content in one platform
- To help students to grasp the pros and cons of the various streams , courses and educational choices & career path.

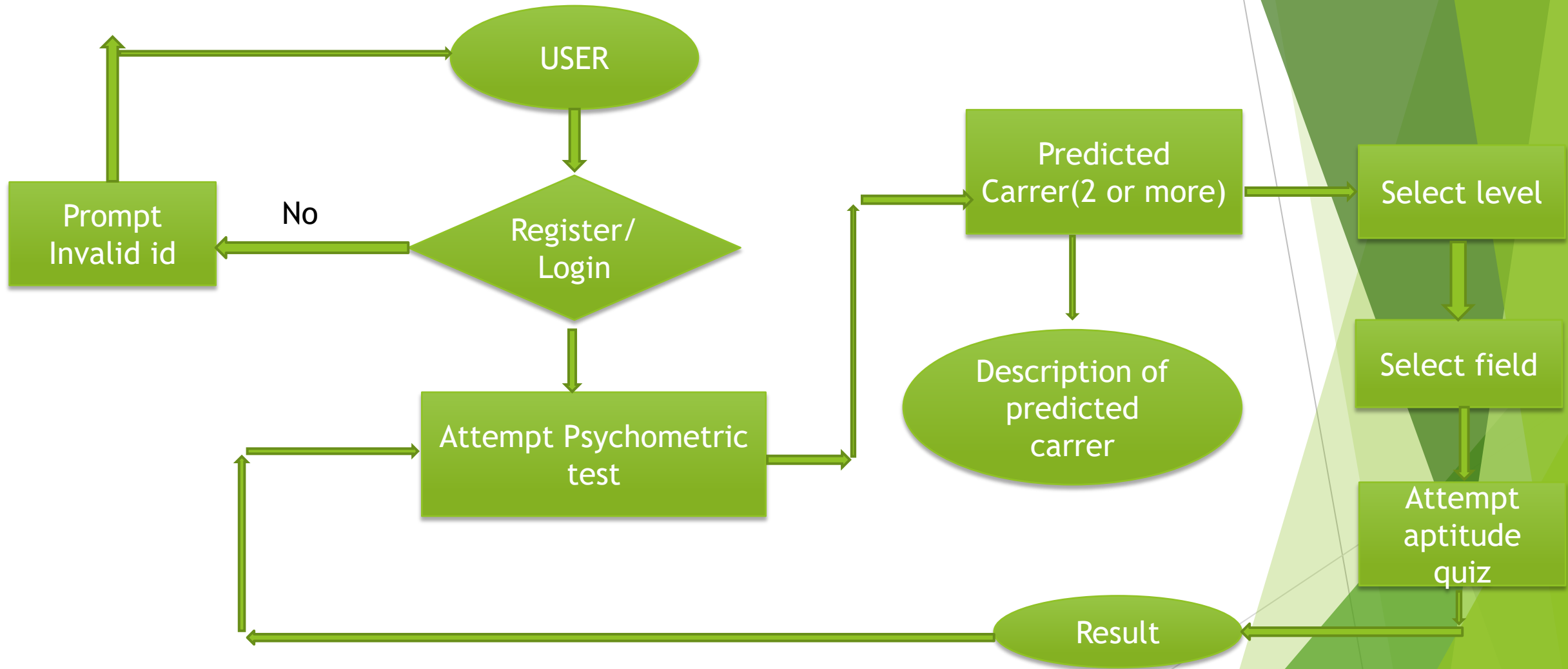
MAJOR CATEGORIES

1. Android application
2. Web application
3. Website

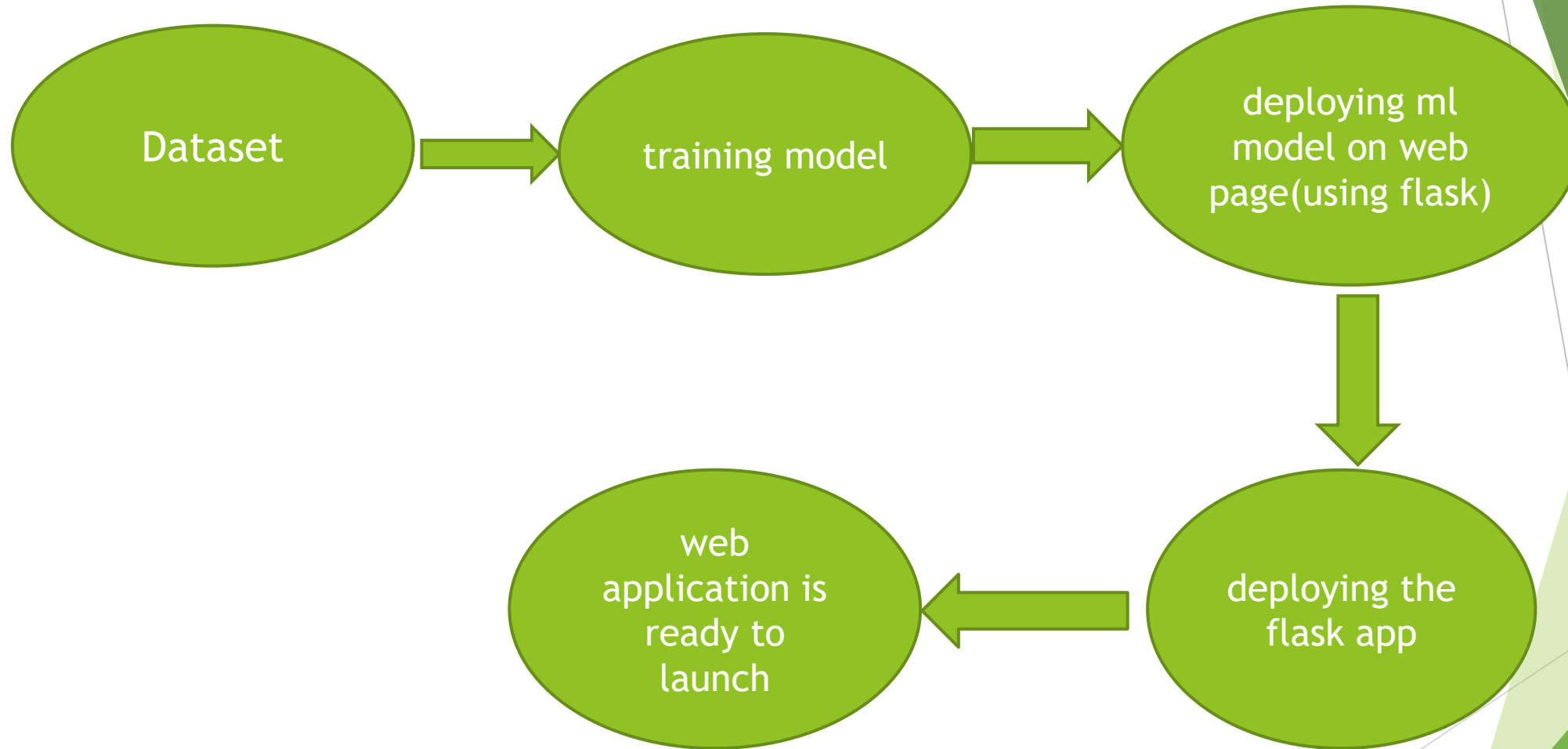
TECHNOLOGY STACK

- Python
- Jupyter notebook
- Visual Studio Code
- Android Studio
- Google Firebase
- PHP,javascript,CSS,HTML,Wamp
- Sklearn
- Numpy
- Pandas
- Netbeans

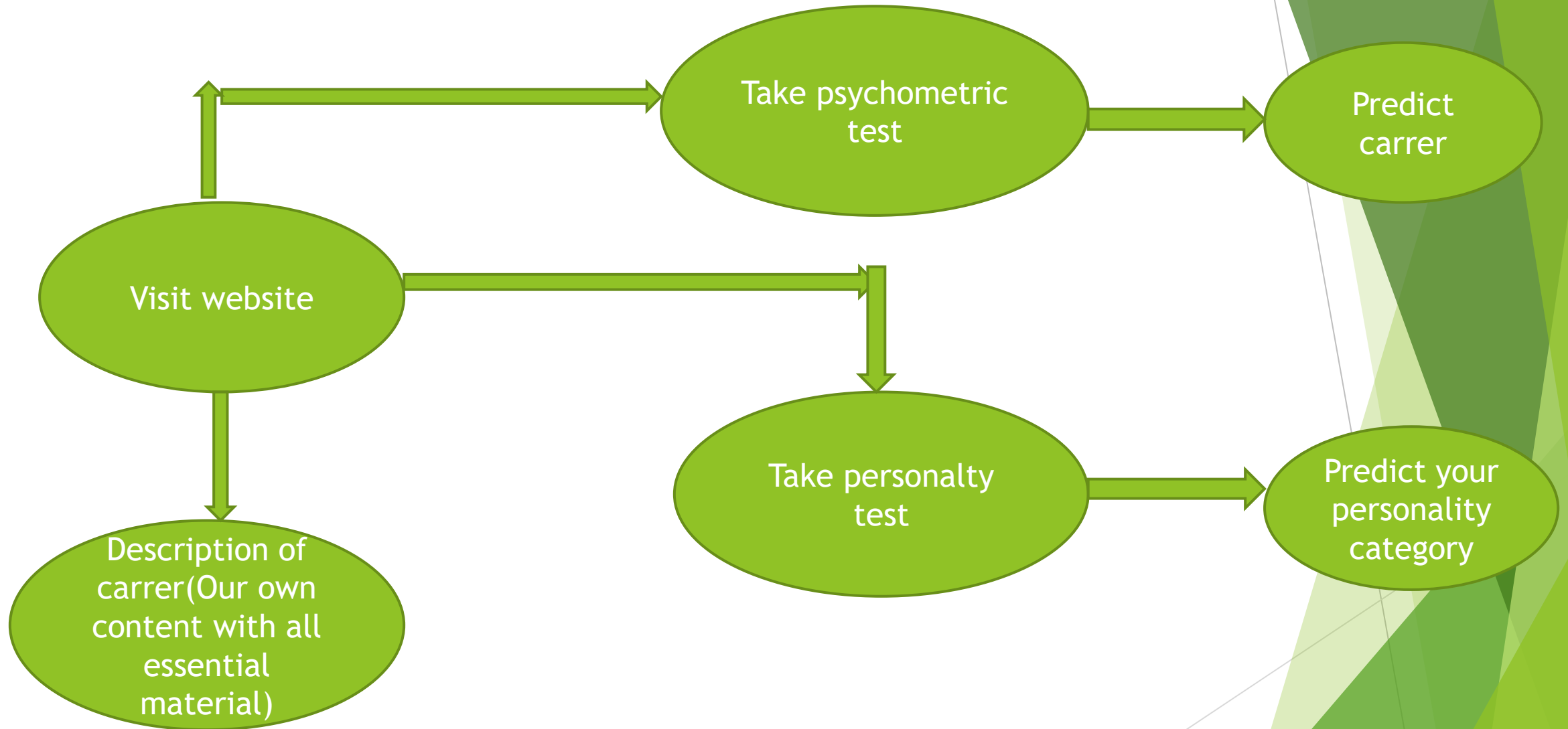
FLOW CHART



Flow diagram of web application



Flow diagram of website



IMPACT:

It is a unique platform where Users will get two or more career predicted by their chosen answer, all the descriptions are given in a way so that user can clear all his dilemma about their career field like dilemma about entrance, syllabus, institutes, books etc. i.e. what challenges he or she is going to face in their chosen career field. In short we can say that it saves efforts of time and shows the right direction and steps.

User Experience:

It's a unique & All-in-one platform where career suggestion is on the basis of Psychometric test (ML), Personality test, Aptitude test, blog of each career in the description.

USE CASES

- 10th, 12th level students
- Graduation level students
- Professional level
- And also for those who want to switch their career

DEPENDENCIES/SHOW STOPPER

- Having access to reliable data sources that can provide relation between career and interest.
- Use of open source library for implementing machine learning algorithm.
- Availability of hardware machine with GPU (Graphics Processing unit) to run large