Artificial Intelligence

Assignment-3

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Explanation:- Basically, I developed a Career Advisory System. The system takes the required inputs, such as your interests, the branch you are studying in and the course you have done, and the GPA obtained in that course, and then determine the careers you can pursue based on that.

Working:-
1. The code flow begins with taking multiple inputs, such as the branch and various questions regarding your interests and courses taken, and your GPA obtained in that course.
2. Then it calls various rule sets such as branch, course, and interests.
3. Based on all the inputs and the rule set the system advises various career options.

Language:- Python

Below are attached the screenshot of the working code:-

Screenshot:-
1.

```
----------------------------------------------------------------------
Hello!!
Welcome to Carrer Advisory System
What is your name ? Devansh
What is your branch ? csam
----------------------------------------------------------------------
                            BRANCH
----------------------------------------------------------------------
According to your branch these are the carreer options available to you:-
Career Suggestion: Software Developer
Career Suggestion: Big Data Analytics
----------------------------------------------------------------------
                            INTERESTS
----------------------------------------------------------------------
Heyy Devansh, Let us know about your interests
Here are some question that we will like to ask you in order to understand your interests better. Answer these questions in y or n
Are you interested in machine learning? y
Have you ever worked on web development and want to purse it? y
Are you interested in working as a content writer? y
Are you interested in video editing? y
Are you interested in making content? y
Are you interested in photography? y
According to your interests these are the carreer options available to you:-
Career Suggestion: Photography
Career Suggestion: Content Creator
Career Suggestion: Video Editor
Career Suggestion: Content Writer
Career Suggestion: Website Developer
Career Suggestion: Machine Learning Engineer
----------------------------------------------------------------------
                         COURSES AND GPA
----------------------------------------------------------------------
Heyy Devansh, Let us know about the courses you have done and the gpa obtained in that courses.
Have you taken operating system course in your btech? (y/n) y
What is the gpa obtained in operating sytem course? 8
```

```
                            INTERESTS
----------------------------------------------------------------------
Heyy Devansh, Let us know about your interests
Here are some question that we will like to ask you in order to understand your interests better. Answer these questions in y or n
Are you interested in machine learning? y
Have you ever worked on web development and want to purse it? y
Are you interested in working as a content writer? y
Are you interested in video editing? y
Are you interested in making content? y
Are you interested in photography? y
According to your interests these are the carreer options available to you:-
Career Suggestion: Photography
Career Suggestion: Content Creator
Career Suggestion: Video Editor
Career Suggestion: Content Writer
Career Suggestion: Website Developer
Career Suggestion: Machine Learning Engineer
----------------------------------------------------------------------
                         COURSES AND GPA
----------------------------------------------------------------------
Heyy Devansh, Let us know about the courses you have done and the gpa obtained in that courses.
Have you taken operating system course in your btech? (y/n) y
What is the gpa obtained in operating sytem course? 8
Have you taken digital image processing course in your btech? (y/n) y
What is the gpa obtained in digital image processing? 6
Have you taken robotics course in your btech? (y/n) y
What is the gpa obtained in robotics? 7
Have you taken cyber security course in your btech? (y/n) y
What is the gpa obtained in cyber security? 7
Have you taken computer networks course in your btech? (y/n) y
What is the gpa obtained in computer networks? 8
Have you taken data mining course in your btech? (y/n) n
According to your courses and gpa obtained in that courses these are the carreer options available to you:-
Career Suggestion: Computer Network Support Specialist
Career Suggestion: Operating System Developer
```

2.

```
---------------------------------------------------------------
Hello!!
Welcome to Carrer Advisory System
What is your name ? Devansh
What is your branch ? cse
---------------------------------------------------------------
                        BRANCH
---------------------------------------------------------------
According to your branch these are the carreer options available to you:-
Career Suggestion: Mobile App Developer
Career Suggestion: Game Developer
Career Suggestion: Software Developer
Career Suggestion: Full Stack Software Developer
---------------------------------------------------------------
                       INTERESTS
---------------------------------------------------------------
Heyy Devansh, Let us know about your interests
Here are some question that we will like to ask you in order to understand your interests better. Answer these questions in y or n
Are you interested in machine learning? y
Have you ever worked on web development and want to purse it? y
Are you interested in working as a content writer? n
Are you interested in video editing? n
Are you interested in making content? n
Are you interested in photography? n
According to your interests these are the carreer options available to you:-
Career Suggestion: Website Developer
Career Suggestion: Machine Learning Engineer
---------------------------------------------------------------
                   COURSES AND GPA
---------------------------------------------------------------
Heyy Devansh, Let us know about the courses you have done and the gpa obtained in that courses.
Have you taken operating system course in your btech? (y/n) y
What is the gpa obtained in operating sytem course? 8
Have you taken digital image processing course in your btech? (y/n) y
What is the gpa obtained in digital image processing? 6
```

```
---------------------------------------------------------------
According to your branch these are the carreer options available to you:-
Career Suggestion: Mobile App Developer
Career Suggestion: Game Developer
Career Suggestion: Software Developer
Career Suggestion: Full Stack Software Developer
---------------------------------------------------------------
                       INTERESTS
---------------------------------------------------------------
Heyy Devansh, Let us know about your interests
Here are some question that we will like to ask you in order to understand your interests better. Answer these questions in y or n
Are you interested in machine learning? y
Have you ever worked on web development and want to purse it? y
Are you interested in working as a content writer? n
Are you interested in video editing? n
Are you interested in making content? n
Are you interested in photography? n
According to your interests these are the carreer options available to you:-
Career Suggestion: Website Developer
Career Suggestion: Machine Learning Engineer
---------------------------------------------------------------
                   COURSES AND GPA
---------------------------------------------------------------
Heyy Devansh, Let us know about the courses you have done and the gpa obtained in that courses.
Have you taken operating system course in your btech? (y/n) y
What is the gpa obtained in operating sytem course? 8
Have you taken digital image processing course in your btech? (y/n) y
What is the gpa obtained in digital image processing? 6
Have you taken robotics course in your btech? (y/n) y
What is the gpa obtained in robotics? 7
Have you taken cyber security course in your btech? (y/n) n
Have you taken computer networks course in your btech? (y/n) n
Have you taken data mining course in your btech? (y/n) n
According to your courses and gpa obtained in that courses these are the carreer options available to you:-
Career Suggestion: Operating System Developer
```