Al Assignment 3

Career Advisory System using durable-rules module

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Code Explanation:

The program first asserts the type of career the user in interested in, and then asserts the interests and the courses and the cgpa in each course from and then moves to the next ruleset as suggested. The program is divided into different rulesets based on the duration of work, or the type of career that intrigues the user, etc.

Working and Assumptions:

Input Required:

- **Type:** Enter the type of career you're interested in. For example, research, humanities, information technology, etc. You can also skip this by entering "any".
- Time: Planned duration of the work, short (past-time internship) or long (full-time)
- Interests: list of available interests is ui_design, graphic_designing, physics, biology, chemistry, literature, public_speaking, management, leadership, finance, entrepreneurship, fashion, philosophy, psychology, dance, performing, tourism, media, art, machine_learning, data_science, programming, operating_systems, teaching, research, maths, quantum_computing" or none. Multiple interests can be chosen. Mention the skill level for interest as 1 (beginner), 2 (intermediate), or 3 (expert). End the input with "end".
- Couses: list of available courses is designing_systems, entrepreneurship, economics, human_centered_design, machine_learning, artificial_intelligence, computer_networks, natural_language_processing, database_system_implementation, cryptography, network_security, competitive_programming, deep_learning, data_mining, graphic_designing, sociology, intro_to_philosophy", Multiple courses can be chosen. Mention the cgpa for each course you select. End the input with "end".

Run the program by running py Al-A3-shivamgupta-2020406.py

Output:

• Suggested career options.

Ingenuity shown:

- I have taken arrays of courses and interests which means that any number of interests and courses can be chosen (they should not be repeated).
- The time duration of career is also considered as internship generally requires less experience and this will give better results.
- The skill level of interests is considered so different skill levels get different outputs

- Possible internships are also considered to make the suggestions all rounded.
- The cgpa is also considered to better plan the career options.

Screenshots of program working:











