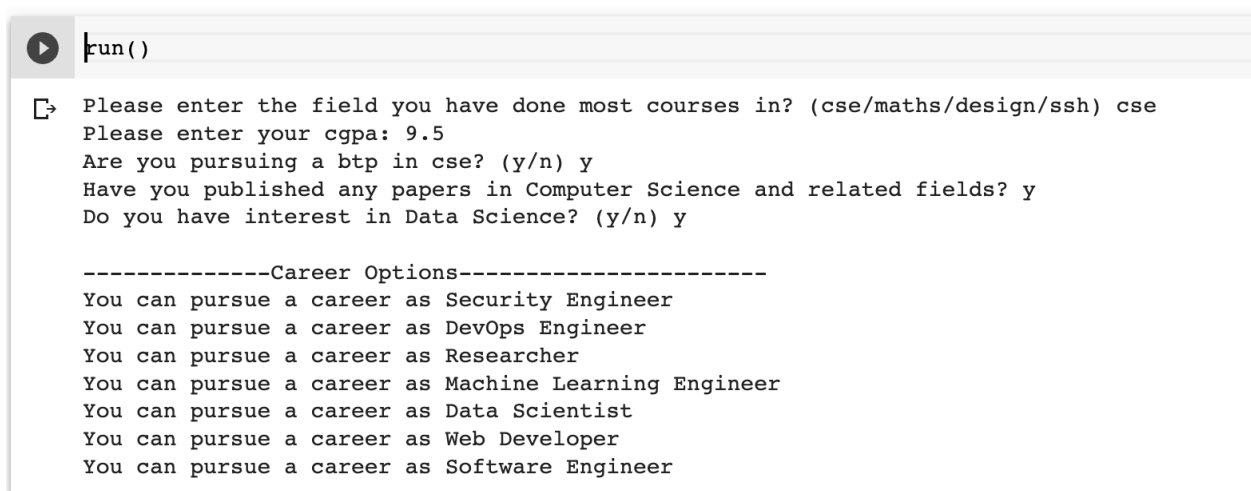# ARTIFICIAL INTELLGIENCE
ASSIGNMENT-3

AASTHA 2019224

Career Advisory System

The program uses durable rules module with forward chaining rules to advise career for graduating students of IIITD. The advice is based on the following -

- ❖ The field the student has done most courses in -cse/maths/design/ssh.
- ❖ Further career options in CSE are suggested based on the student's CGPA, whether the student is pursuing a BTP, and if the student has published a paper in the field.
- ❖ If the student has done more maths courses and is also pursuing a minor in economics, relevant career paths are suggested.
- ❖ The advisory system also suggests careers in fields like entrepreneurship and sports based on the student's interest.

Screenshots Of Program

1)

```
run()

Please enter the field you have done most courses in? (cse/maths/design/ssh) cse
Please enter your cgpa: 9.5
Are you pursuing a btp in cse? (y/n) y
Have you published any papers in Computer Science and related fields? y
Do you have interest in Data Science? (y/n) y

--------------Career Options----------------------
You can pursue a career as Security Engineer
You can pursue a career as DevOps Engineer
You can pursue a career as Researcher
You can pursue a career as Machine Learning Engineer
You can pursue a career as Data Scientist
You can pursue a career as Web Developer
You can pursue a career as Software Engineer
```

2)

```
▶  run()

▷  Please enter the field you have done most courses in? (cse/maths/design/ssh) cse
   Please enter your cgpa: 8.5
   Are you pursuing a btp in cse? (y/n) y
   Have you published any papers in Computer Science and related fields? n
   Do you have interest in Data Science? (y/n) y

   --------------Career Options----------------------
   You can pursue a career as Security Engineer
   You can pursue a career as DevOps Engineer
   You can pursue a career as Machine Learning Engineer
   You can pursue a career as Data Scientist
   You can pursue a career as Web Developer
   You can pursue a career as Software Engineer
```

3)

```
▶  run()

▷  Please enter the field you have done most courses in? (cse/maths/design/ssh) cse
   Please enter your cgpa: 9.5
   Are you pursuing a btp in cse? (y/n) n
   Have you published any papers in Computer Science and related fields? n
   Do you have interest in Data Science? (y/n) n

   --------------Career Options----------------------
   You can pursue a career as Web Developer
   You can pursue a career as Software Engineer
```

4)

```
▶  run()

▷  Please enter the field you have done most courses in? (cse/maths/design/ssh) maths
   Are you pursuing a minor in economics? (y/n) y

   --------------Career Options----------------------
   You can pursue a career as Financial Analyst
   You can pursue a career as Mathematics Teacher
   You can pursue a career as Statistical Researcher
```

5)

```
run()
```

Please enter the field you have done most courses in? (cse/maths/design/ssh) design
Are you pursuing any extracurricular activity? (sports/startup/none) sports

--------------Career Options----------------------
You can pursue a career as Sportsperson
You can pursue a career as Web Designer
You can pursue a career as Product Designer

6)

```
run()
```

Please enter the field you have done most courses in? (cse/maths/design/ssh) ssh
Are you pursuing any extracurricular activity? (sports/startup/none) startup

--------------Career Options----------------------
You can pursue a career as Enterpreneur
You can pursue a career as Consultant

7)

```
run()
```

Please enter the field you have done most courses in? (cse/maths/design/ssh) ssh
Are you pursuing any extracurricular activity? (sports/startup/none) sports

--------------Career Options----------------------
You can pursue a career as Sportsperson
You can pursue a career as Consultant

8)

```
run()
```

Please enter the field you have done most courses in? (cse/maths/design/ssh) design
Are you pursuing any extracurricular activity? (sports/startup/none) none

--------------Career Options----------------------
You can pursue a career as Web Designer
You can pursue a career as Product Designer

9)

```
run()
```

Please enter the field you have done most courses in? (cse/maths/design/ssh) cse
Please enter your cgpa: 7
Are you pursuing a btp in cse? (y/n) y
Have you published any papers in Computer Science and related fields? y
Do you have interest in Data Science? (y/n) y

--------------Career Options----------------------
You can pursue a career as Machine Learning Engineer
You can pursue a career as Data Scientist
You can pursue a career as Web Developer
You can pursue a career as Software Engineer