WEEK-1

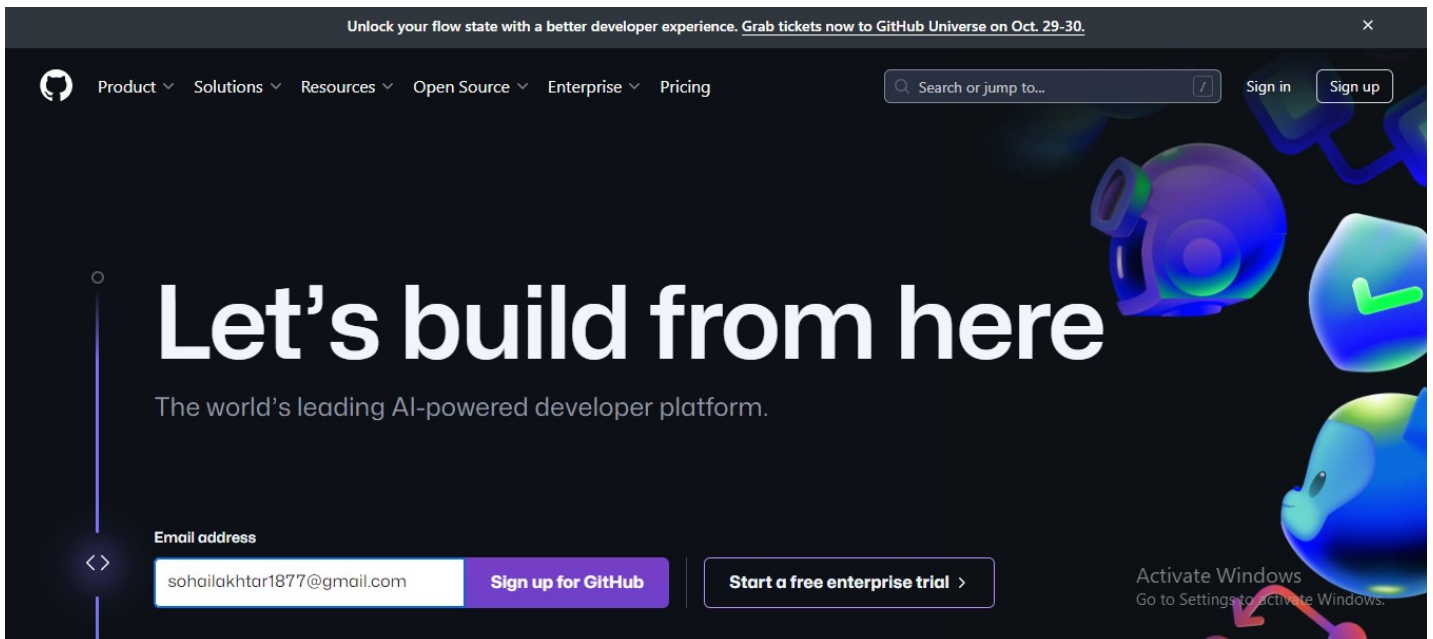<table>
<tr><td colspan="2"><u>1# GitHub:</u></td></tr>
<tr><td>a)Signup for Github.</td><td>b)Personalize Your Profile.</td></tr>
<tr><td>c) Create Your First Repository.</td><td>d) Explore GitHub Features.</td></tr>
</table>

1. **VisitGitHub'sWebsite**:
   a. Openyourwebbrowserandgoto[GitHub'sweb site](https://github.com/). https://github.com/

2. **Start the Sign-Up Process**:
   a. On the GitHub homepage, locate and click the **"Signup"** button, usually found in the upper right corner of the page.

3. **Enter Your Email Address**:
   Provide a valid email address that you want to use for your GitHub account.

4. **Choose a Password:**
   Create a strong password for your account. GitHub will check for password strength and may offer suggestions to improve it.

5. **Select a Username:**
   Choose a unique username. This will be your GitHub handle and will appear in your profile URL.

6. **Verify Your Account:**
   GitHub will ask you to solve a puzzle to verify that you're not a robot. Follow the on-screen instructions to complete this step.
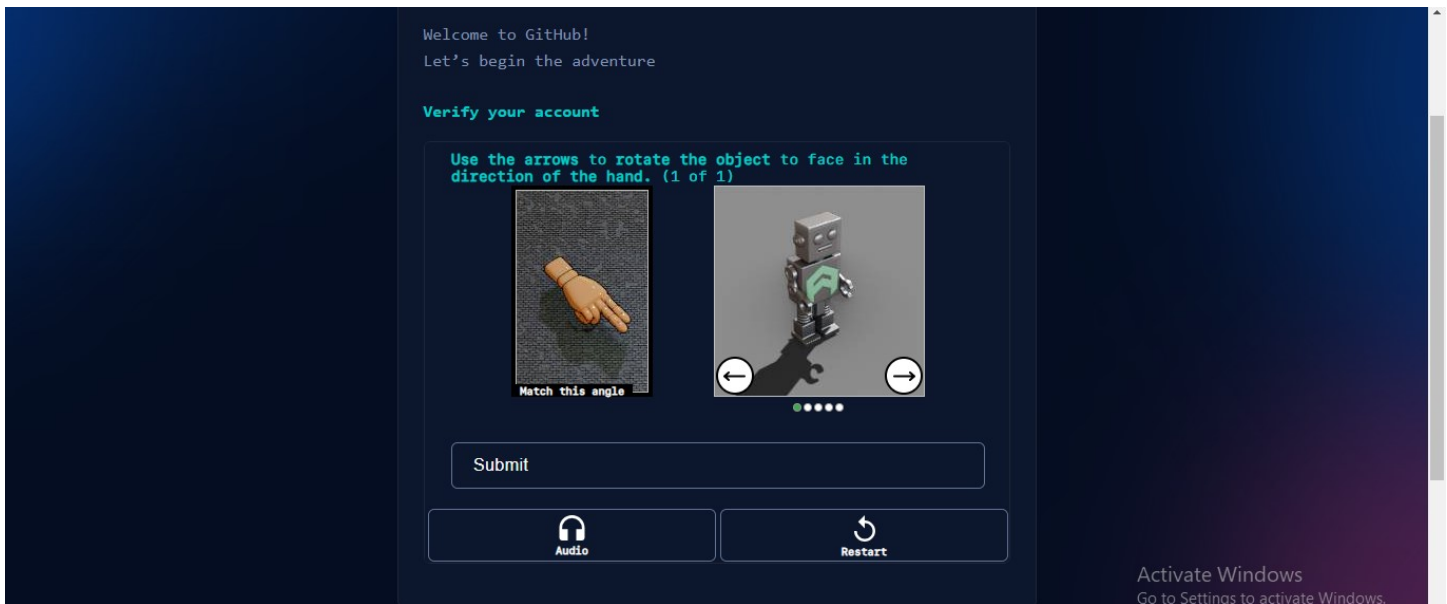
7. **Choose Your Plan:**
   GitHub offers several plans, including a free tier and paid options. For most new users, the free plan is sufficient. You can review and select the plan that best fits your needs.
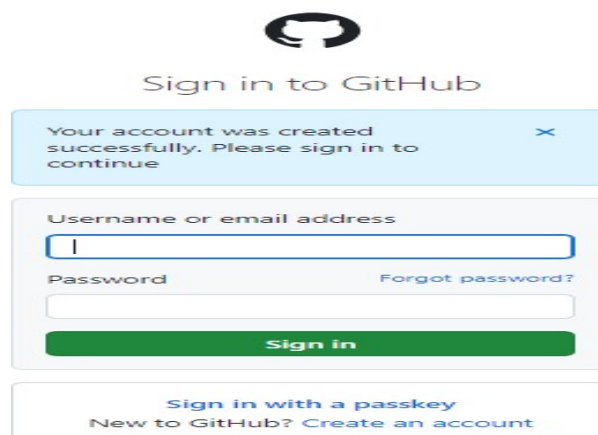
8. **Complete the Sign-Up:**
   Click the "Signup" or "Createaccount" button to finalize your registration.

9. **Verify Your E-mail Address:**
   Check your email in box for a verification email from GitHub. Put the verification code provided in the email to verify your address and activate your account.

10. **Sign in to GitHub:**
    a) Enter the username you have created or email address.
    b) Enter the password you have created.

Sign in to GitHub

Your account was created
successfully. Please sign in to
continue   ✕

Username or email address

Password   Forgot password?

Sign in

Sign in with a passkey
New to GitHub? Create an account

11. **Set Up Your Profile (Optional):**
    Add a profile picture, write a bio, and customize as you see fit.
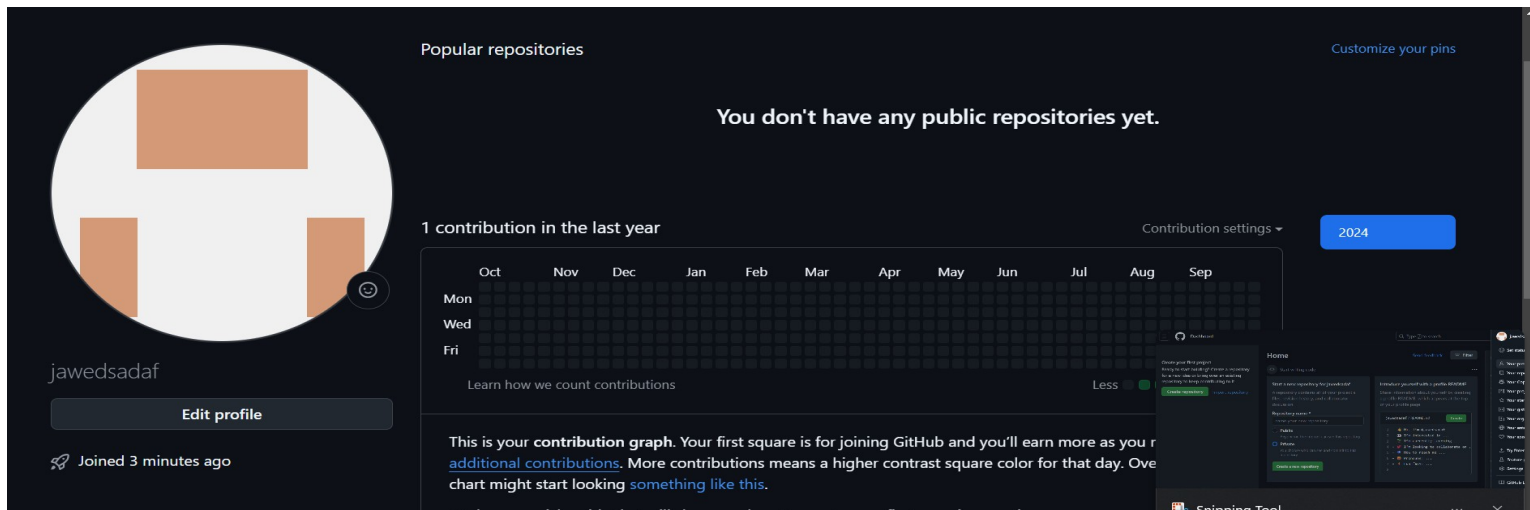
12. **Explore the Features**:
    a. After signing up, you might want to explore GitHub features and settings.
       i. **Creating Repository:**
          ➢ Click the green **New** button on the top-left side of the GitHub dashboard.
          ➢ **Repository Name**: Enter a name for your repository.
          ➢ **Description (Optional)**: Provide a short description of your repository.
          ➢ **Public/Private**: Choose whether you want your repository to be **Public** or **Private**.
          ➢ **Initialize the Repository**: Check the box that says **Initialize** `this` **repository with a README** if you want to add a **README.md** file automatically. This file is usually used to describe the project.
          ➢ Click the **Create Repository** button.

2# LinkedIn:

        a)Sign Up for LinkedIn.

        b)Build Your Professional Profile

        c)Download Resume built by LinkedIn.

1. Open your web browser and go to [LinkedIn website](#)
2. **Start the Sign-Up Process**: On the LinkedIn homepage, click the **"Join now"** button, displayed at the upper right corner of the page.
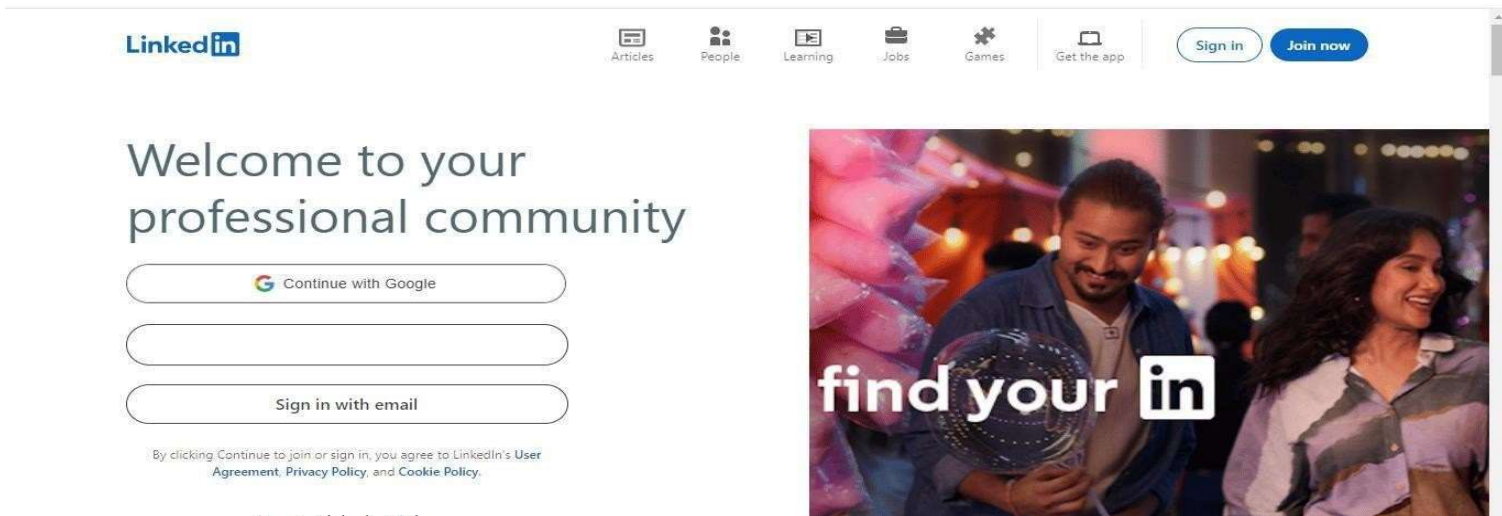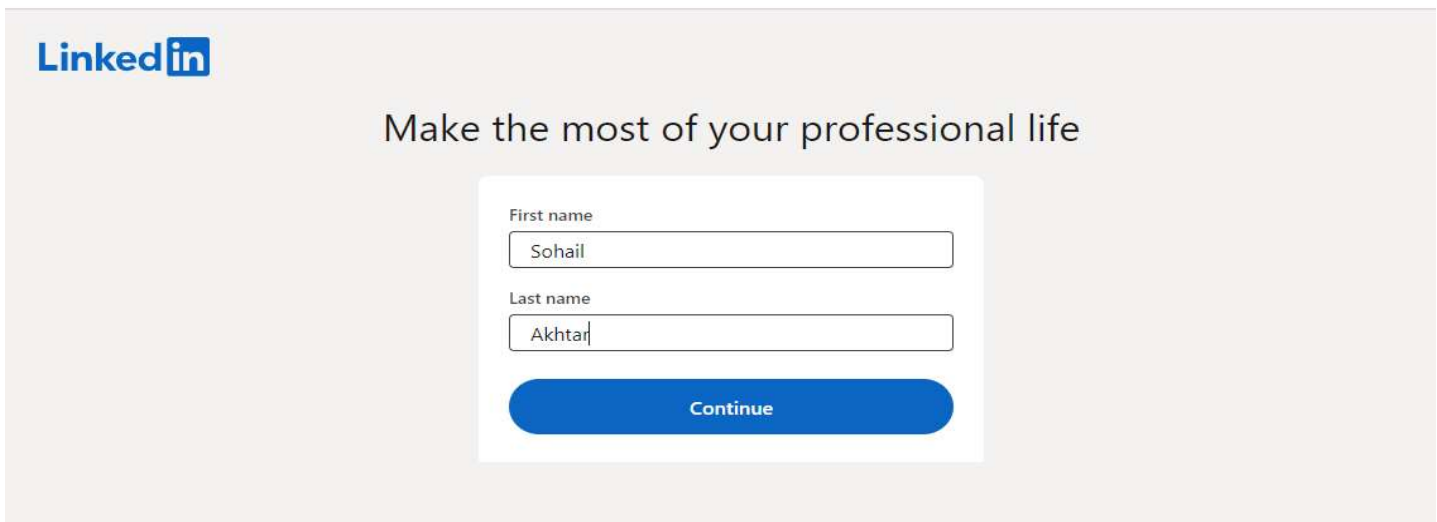

3. **Email Address**: Provide a valid email address.
4. **Password**: Create a strong password for your LinkedIn account.
5. **Click "Agree & Join".**

6. **Enter Your Personal Information**:
    i. **First Name**: Enter your first name.
    ii. **Last Name**: Enter your last name.
    iii. **Press Continue**.

7. Once you've entered your details and read LinkedIn terms and privacy policy, click the **"Agree & Join"** button to proceed.
8. **Verify Your Email Address:** Check your email inbox for a verification code from LinkedIn. Click the link provided in the email to verify your email address and activate your account.
9. **Add Details to Your Profile**:
    After verifying your email, you'll be prompted to provide additional information. You can choose appropriate option or can skip and proceed further.
10. **Country/ Region:** Select your location**.**
11. **Postal Code:** Enter your postal code.
12. **Most Recent Job Title: Provide your current or most recent job title**
13. **Company**: Enter the name of your current or most recent employer.
14. **Complete Your Profile**: Choose a professional photo with a clear background**.**

15. **Personalize Your Profile:**

    - Create Your Headline:
        ➢ Click on your **profile icon** in the top-right corner and select **"View Profile"**.
        ➢ Click on the **pencil/edit icon** next to your name.
        ➢ In the **Headline** section, write a brief and compelling description of your professional identity and career focus.
    - Write Your Summary:
        ➢ Scroll down to the **"About"** section on your profile.
        ➢ Click on the **pencil/edit icon** to add or edit your summary.
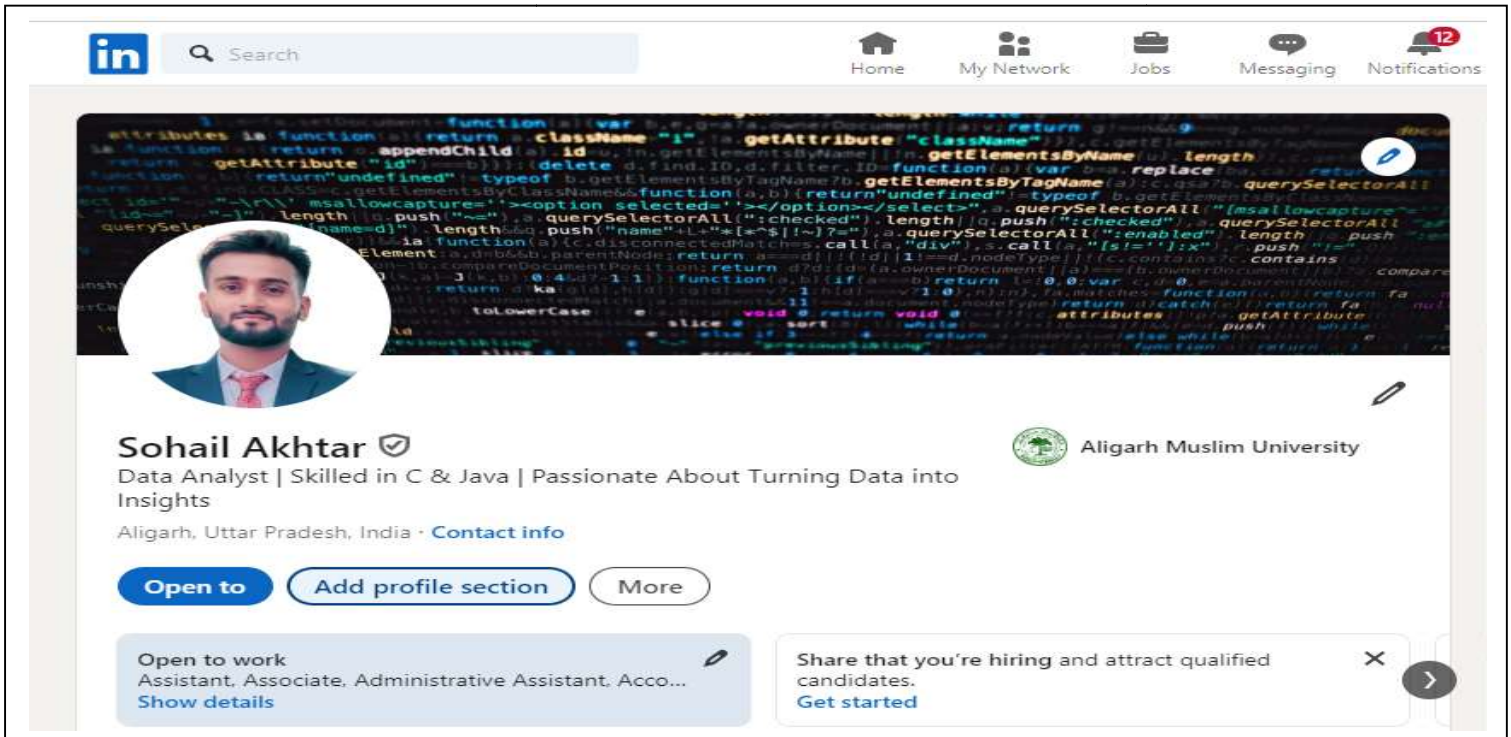
16. **Explore LinkedIn**:
    a. Once your account is setup, you can start exploring LinkedIn features, such as following companies, joining groups, and discovering job opportunities.
17. **Adjust Privacy and Notification Settings**:
18. You can also download your resume by clicking at the profile and then at the more option and save to pdf option.

3# Coding/ Data Platforms:

Explore LeetCode, HackerRank, CodeChef, Udemy, Udacity, SWAYAM, Kaggle, etc.

LeetCode

- **Overview**: LeetCode is a popular platform for practicing coding problems and preparing for technical interviews. It features a wide range of problems across various difficulty levels and topics such as algorithms, data structures, databases, and shell scripting.

- **Features**:
  - **Problems**: Categorized into easy, medium, and hard levels.
  - **Contests**: Regularly hosted contests for competitive coding practice.
  - **Interview Preparation**: Mock interviews and company-specific questions.
  - **Discussion Forums**: Community solutions and discussions.
- **UseCase**: Ideal for individuals preparing for technical job interviews or wanting to improve problem-solving skills in coding.

HackerRank

- **Overview**: HackerRank is a competitive programming and coding practice platform with a focus on coding challenges, interview preparation, and hiring solutions for companies.
- **Features**:
  - **Coding Challenges** : A variety of problems categorized by algorithms, data structures, mathematics, and more.
  - **Competitions**: Regular coding contests and competitions.
  - **Interview Preparation Kits**: Practice problems tailored for specific companies and roles.
  - **Skills Certification**: Assessments to earn badges in various technical skills.
- **UseCase**:Useful for improving coding skills, preparing for interviews, and participating in coding competitions.

CodeChef

- **Overview**: CodeChef is an India-based competitive programming platform that hosts coding contests and provides a variety of practice problems.
- **Features**:
  - **Contests**: Monthly contests such as Long Challenge, Cook-Off, and   Lunchtime.
  - **Practice Problems**: Problems sorted by difficulty and topic.
  - **Discussion Forums**: Community discussions and solutions.
  - **Tutorials**: Educational content and tutorials for learning algorithms and data structures.
- **UseCase**: Best for competitive programmers and those looking to participate in regular contests.

Udemy

- **Overview**: Udemy is an online learning platform offering a vast array of courses across various subjects, including programming, data science, and personal development.
- **Features**:
  - **Courses**: Paid courses created by experts in various fields.
  - **Video Lectures**: Pre-recorded lectures and tutorials.
  - **Quizzes and Assignments**: Assessments for understanding.
  - **Certificates**: Completion certificates for many courses.
- **Use Case**: Great for individuals seeking structured learning and skill development across a wide

range of topics.

Udacity

- **Overview**: Udacity focuses on providing "Nano degree" programs that are designed to be more intensive and job- focused, especially in fields like data science, artificial intelligence, and programming.

- **Features**
- **Nano degree Programs** :In-depth programs with a focus on career- oriented skills.
- **Project-Based Learning**: Hands-on projects to apply learned skills.
- **Mentorship and Reviews**: Personalized mentorship and code reviews.
- **Career Services**: Resume reviews, job search assistance, and interview coaching.
- **UseCase**: Ideal for those seeking specialized, career- oriented education in technology and programming.

SWAYAM

- **Overview**: SWAYAM is an initiative by the Government of India that provides free online courses across arrange of subjects, including engineering, science, humanities, and social sciences.
- **Features**:
- **Courses**: Free courses from Indian universities and institutions.
- **Certifications**: Certification exams available for certain courses.
- **Interactive Content**: Video lectures, assignments, and discussion forums.
- **Multi-lingual**: Some courses are available in regional languages.
  UseCase: Useful for learners in India seeking free, high-quality educational content across a variety of subjects.

Kaggle

- **Overview**: Kaggle is a platform for data science and machine learning competitions, datasets, and educational resources.
- **Features**:
- **Competitions**: Data science competitions with real-world problems and prize money.
- **Datasets**: A larger repository of data sets for practice and exploration.
- **Kernels**: An environment for running code and sharing data science projects.
- **Courses**: Free courses on data science and machine learning.
- **UseCase**: Excellent for data science enthusiasts looking to compete in challenges, explore datasets, and learn from a community of practitioners.