

The LinkedIn logo, a blue circle, is partially visible in the top right corner of the image.

# LinkedIn

Upendhar

Single Point Solution

Software Developer Intern

# Objectives



## Manual Testing

Test Plan  
Test Case  
Test Case Review  
Defect Report



## Automation Testing

Login Functionality  
Folder Structure  
Data Driven Testing  
HTML Reports  
Allure Reports



## Mobile Testing

Android studio  
VYsor  
AVD & APK

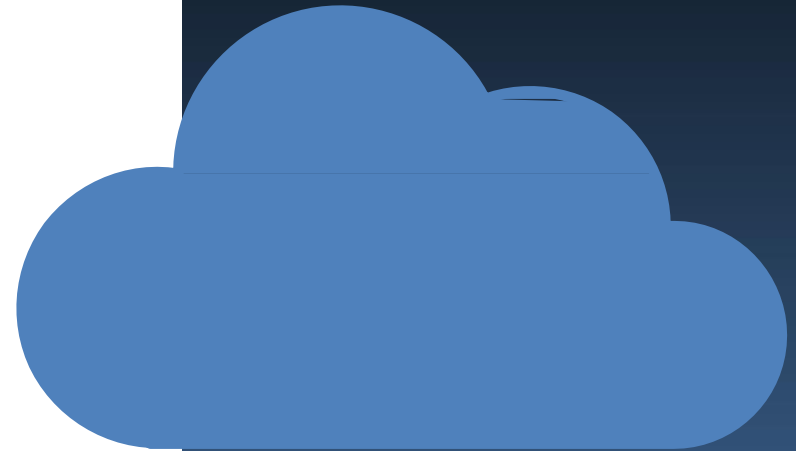


## CI/CD

Jenkins  
GIT  
GIT Hub

# Setups

❑ Selenium Python	4.26.1
❑ PyCharm	2024.3
❑ Allure Reports	2.29.0
❑ Unit Test	4.1.2
❑ PYTest	7.10.2
❑ Node JS	v23.4.0



# Manual Testing

Manual testing is a software testing approach where testers manually evaluate software or application quality without the help of automated testing tools or test scripts. Testers interact with the system like how an end user would identify bugs, defects, and issues in the software that create friction in user experience.

## **Test Deliverables**

1. Test Plan
2. Test Case
3. Defect Report

# Features

Join now

Sign in

Sending connection Request

Creating post

Job search

Add Skills

URL customization

# Test Plan Document

## LinkedIn Portal

### 1. Test Plan Identifier

**File Name:** 1.0\_LinkedIn\_tplan\_v1.0.doc

**Location:** Hyderabad

### 2. Document History

REV	Author	Edits	Date
1.0	Upendhar,Team Leader,Project Manager	Initial Draft	12/12/2024

### 3. Intorduction

**LinkedIn** is the world's largest professional networking platform. It is designed to connect professionals across industries, allowing them to showcase their skills, experience, and accomplishments while building relationships with others in their field.

Launched in **2003**, LinkedIn is widely used for professional networking, job searching, and sharing industry insights.

### 4. Features to be Tested

Medium priority features are features that have been stable and High Priority features are features that have been recently changed.

Feature To be Tested	Priority	Comments
Join now	High	
Sign in	High	
Sending Connection Request	Medium	
Creating Post	High	
Job Search	High	
Add Skills	Medium	
URL Customization	Low	

### 5.Features NOT to be Tested

Help contents will not be tested.

Installation and presentation will not be tested.

Support of the other architecture also will not be tested

### 6.Test Strategy

The test strategy for LinkedIn.1.0 will include manual testing with automated testing where time/need permits.Automated testing selenium with python will be used to test the basic Interface objects, keyboard and mouse naviga-

# Test Plan Document

tion or any redundant tasks best translated to automation. Automated testing will be limited to a Win-64 platform because of Automation tool limitations.

- Sanity test will include an very short battery of tests to ensure the LinkedIn1.0 runs/launches and can connect to the back end database. Test execution will happen as individual component testing. These tests will be fully automated.
- Acceptance tests will include a short battery of tests that will only touch major features to ensure LinkedIn1.0 will operate smoothly at a basic level. These tests will be executed on Windows 11, Windows NT 4, The goal will be to automate all of these tests.
- Full Functional tests will include a comprehensive test of all features listed in this document. These test will include automation with time allowing.

## Functionality Testing

- Profile management: Creating, updating, and deleting profiles.
- Connections: Sending, accepting, and rejecting connection requests.
- Messaging: Sending, receiving, and managing messages.
- Job search: Applying for jobs, saving jobs, and viewing recommendations.
- Content sharing: Posting updates, articles, and multimedia.

## Usability Testing

The usability testing will be accomplished by verifying the information in each window are accurate. Menus, icons and toolbar functionality will be tested as applicable to the navigation and results panes. Multi Window Overlapping will be tested because product supports opening of multiple documents.

## Robustness/Reliability Testing

Test the GUI for correct keyboard and mouse navigation, windows, menus, buttons, etc. These tests will include Keyboard only navigation of LinkedIn. 1.0, Mouse only navigation. Correctness and existence of warning/error dialog boxes. The correct/expected functionality of buttons, icons and menus

## Stress Testing

Not applicable

## 7. Test Deliverables

Test plan	1.0_LinkedIn_tplan.doc
Test Specification	1.0_LinkedIn_tspec.doc
Test Automation Testing is Used	TBD
Test Checklist	TBD
Test Logs	TBD
Test tools	Selenium Suite,JIRA

## 8. Testing Tasks & Resource Needs

Use of MS ACCESS database.  
Write Manual Test plan.  
Write Test Scenario.  
Write Test Cases  
Setup workspace.  
Develop Test script.

# Test Plan Document

Intel: Intel ~400mhz, with 96mb\* of Ram for NT workstation client.  
Intel ~400mhz, with 64mb \*of Ram for 98 workstation client.  
(\* Automation needs an additional 128MBs to function)

## 9.Schedule

### Test Documentation

Document	Development Time		Sign-off Date	Dependencies
	Person-Days	Completion Date		
Test Plan	1 day	Today	09/12/24	Functional Spec. Review
Test Specifications	1days			Test plan, Functional Spec, Review
Test Logs	TBD			
Test Summary Report	TBD			
Checklist	TBD			

### Test Development

Deliverable	Development Time		Dependencies
	Person-Days	Completion Date	
Functional Test Suite	1		
Automation build			

### Test Execution

Test Activity	Execution Time (Person-Days)			Dependencies
	Alpha	Beta	FCS	
Acceptance	1 Days	1 Days	1 Days	

Test Activity		Execution Time (Person-Days)			Dependencies
Functional	Functionality	1	1		
	Usability	All High to Medium test cases			
	Robustness				
	Stress				
	Multi Inst.				
Regression					
Documentation Review		1?	1?	1?	
Total Test Cycle		1	1	1	

## 10.Issues/Risk and Contingencies

### Risks:

**Environment Instability:** Delays in setting up the test environment could impact the schedule- VM is not working port no.-5103

**Resource Availability:** Limited availability of testers could delay test execution.

**Late Requirement Changes:** Changes in requirements during the testing phase could lead to additional testing efforts.

### Contingencies:

**Backup Resources:** Have backup resources ready to join the testing effort if required.

**Flexible Schedule:** Allocate buffer time in the schedule to accommodate unexpected delays.



# Test Plan Document

**Regular Communication:** Hold daily stand-up meetings to quickly address any issues that arise

## 11.Approvals

POSITION	NAME	SIGNATURE	REVIEWED	APPROVAL
*Approval required				
Tech Lead	Upendhar		Raghavendra BN	Raghavendra BN
Project Manager	Upendhar		Raghavendra BN	Raghavendra BN
Client Approval	Upendhar		Raghavendra BN	Raghavendra BN



**Presented By:**

A.Upendhar

# Test Case Document

	A	B	C	D	E	F	G	H	I	J
1	Requirement ID	Scenario ID	Test Case ID	Test Case Title	Precondition	Test Data	Test Steps	Expected Result	Actual result	Status
2	S1_001	T_001	T_001 A	Verify Join now functionality	User Should have valid Email Id	URL- https://www.linkedin.com/signup Email - aaa@gmail.com Password - ***** First name - Upendhar Last name - A	1.open the chrome wrobser 2.Enter the URL 3.click join now hyperlink 4.Enter the Email 5.Enter the password 6.click agree button 7.Enter the first name and last name 8.Solve the puzzle for security verification 9.Enter the Location 10.click next Button 11.Enter most Recent Job title 12.click continue Button 13.Enter the code sent to the Email 14.Click Agree and continue check box 15.click Next 16.Enter the job title and job location 17.Click the I'm open to remote work Check box 18.click the next button 19.Account has been created Successfully	User's account should crated Successfully		Passed
3	S2_001	T_002	T_002 A	Verify Sign in functionality using Email or Phone number	User is registered in LinkedIn	URL- https://www.Linkedin.com/login Email - aaa@gmail.com Password - *****	1.Open the chrome browser 2.Enter the URL 3.Click on the sign in button in the top right corner 4.Enter the Email or phone number	User is successfully logged in and can access their account		

4	S3_001	T_003	T_003 A	Verify Job Search Functionality	User should Signed into LinkedIn	URL - https://www.Linkedin.com/feed Email - aaa@gmail.com	1. Open the Chrome browser 2. Enter the URL 3. Sign in to the LinkedIn account 4. Click the job tab 5. Enter the location	Job Search done Successfully and results shown		Passed
5	S4_001	T_004	T_004 A	Verify Creating Post	User should Signed into LinkedIn	URL - https://www.Linkedin.com/feed Email - aaa@gmail.com	1.Open the chrome browser 2.Enter the URL 3.Sign in to the LinkedIn account 4.Scroll until you find "start a post by writing with AI" 5.Click the options 6.Create a post by typing the content and add attachment if needed 7.click post button 8.post Created Successfully	User should Have created post Successfully		Passed
6	S5_001	T_005	T_005 A	Verify Saved Item	User should Signed into LinkedIn	URL - https://www.Linkedin.com/my.items	1.Open the chrome browser 2.Enter the URL 3.Sign in to LinkedIn account 4.Go to the feed Section 5.Click "Saved items" in the left corner 6.You can find the saved items in "My items" section	User can find saved items Successfully		Passed

# Test Case – Peer Review



**Raghavendra Bn** <raghu.astepahead@gmail.com>

to me ▾

Dec 10, 2024, 2:42 PM (1 day ago)



Dear Upendhar Ambati,

I hope this message finds you well. I wanted to take a moment to thank you for sharing the documents related to the MakeMyTrip project. I have received the Test Cases, Bug Report, and Test Plan Document that you have prepared. I truly appreciate the effort and detail you have put into compiling these documents, as they are crucial for the project's success.

I will be reviewing the documents thoroughly to ensure that all aspects of the project are covered and that the quality standards are met. Once I have completed my review, I will provide you with detailed feedback and any suggestions for improvement if necessary. If I come across any points that require clarification or further input from your side, I will make sure to reach out to you promptly.

Thank you once again for your hard work and dedication to this project. Your contributions are highly valued, and I look forward to collaborating with you further to achieve our goals.

Good To GO

Best regards,  
Raghavendra Bn



# Defect Report

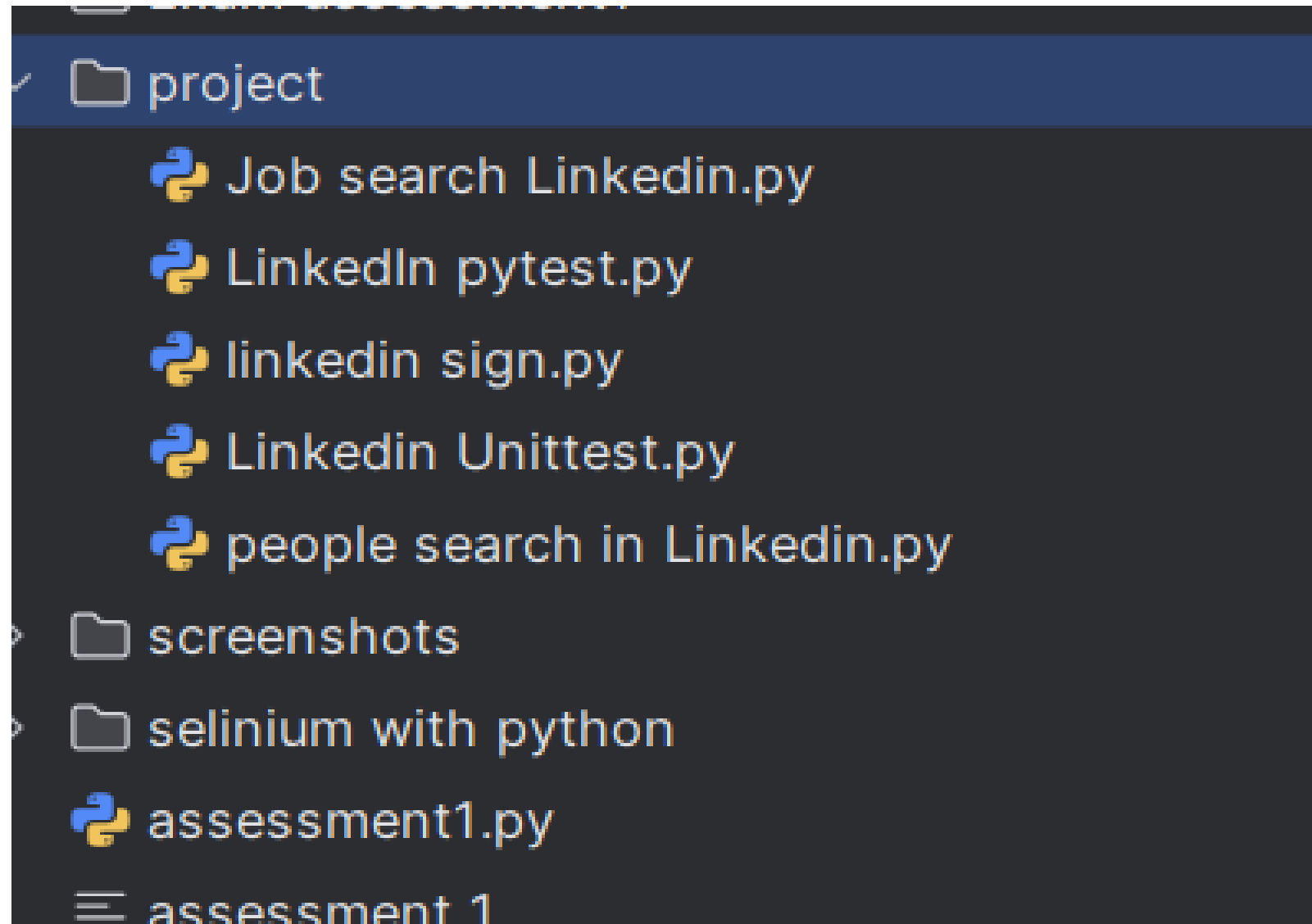
	A	B	C	D	E	F	G	H
1								
2		Make LinkedIn defect report- Cycle 1 Testing						
3		<a href="#">Prepared By</a>	Upendhar ambati					
4								
5								
6	Defect ID	Defect Description	Steps to reproduce	Severity	Status	Created by	Assigned to	Screenshot
7	1	"The job application form does not submit when using the LinkedIn mobile app on Android devices."	1.Login to the LinkedIn mobile app. 2.Navigate to a job posting. 3.Fill out the application form and click "Submit"	1-Medium	Open	Upendhar	RaghavendraBN	
8	2	"When typing in the search bar on Safari, no suggestions appear, even for common queries."	1.Open LinkedIn on Safari. 2.Start typing a keyword in the search bar.	1- Medium	Open	Upendhar	RaghavendraBN	
9	3	"The 'Who's viewed your profile' section displays fewer views than the email notification reports."	Open LinkedIn. Navigate to "Who's viewed your profile."	1-Medium	Open	Upendhar	RaghavendraBN	
10								

# Automation Testing & Page Object Model

**Automation testing** involves using software tools to execute pre-scripted tests on a software application before it is released into production. This helps in identifying defects, ensuring the software behaves as expected, and improving efficiency by reducing manual testing efforts.

The **Page Object Model (POM)** is a design pattern in automation testing that creates an object repository for web UI elements. It enhances test maintenance and reduces code duplication by encapsulating the page elements and actions in separate classes, making the tests more readable and easier to manage.

# Folder Structure



# sign.py

linkedin sign.py ×

```
1  from selenium import webdriver
2  from selenium.webdriver import Keys
3  from selenium.webdriver.common.by import By
4  import time
5  driver = webdriver.Chrome()
6  driver.get("https://www.linkedin.com/signup/cold-join")
7  driver.maximize_window()
8  driver.find_element(By.ID, value: "email-or-phone").send_keys("208r1a05i2cse@gmail.com")
9  driver.find_element(By.NAME, value: "password").send_keys("Lasmaiah@5014")
10 driver.find_element(By.XPATH, value: "/html/body/div[1]/main/div[2]/div[1]/form/div[4]/button")
11 time.sleep(15)
12 actual_title = driver.title
13 expect_title = "Sign in to your account, for the best experience"
14 if actual_title==expect_title:
15     print("login is successful.....well done python")
16 else:
17     print("login sucessfully.....very god my boy")
18
```



# Job search.py

```
Job search LinkedIn.py x
1 from selenium import webdriver
2 from selenium.webdriver.common.by import By
3 from selenium.webdriver.common.keys import Keys
4
5 # Set up the webdriver
6 driver = webdriver.Chrome()
7 driver.get("https://www.linkedin.com/signup/cold-join")
8
9 # Login to LinkedIn
10 username = "208r1a05i2cse@gmail.com"
11 password = "Lasmaiah@5014"
12
13 username_input = driver.find_element(By.ID, value: "email-or-phone").send_keys("208r1a05i2cse@gmail.com")
14 password_input = driver.find_element(By.NAME, value: "password").send_keys("Lasmaiah@5014")
15 login_button = driver.find_element(By.XPATH, value: "//button[text()='Sign in']")
16 login_button.click()
17
18 # Navigate to job search page
19 job_search_link = driver.find_element(By.LINK_TEXT, value: "Jobs")
20 job_search_link.click()
21
22 # Enter job search keywords
23 job_search_input = driver.find_element(By.XPATH, value: "//input[@aria-label='Search by keyword']")
24 job_search_input.send_keys("Software Engineer")
25
26 # Enter location
27 location_input = driver.find_element(By.XPATH, value: "//input[@aria-label='Search by location']")
28 location_input.send_keys("New York")
29
30 # Click on search button
31 search_button = driver.find_element(By.XPATH, value: "//button[text()='Search']")
32 search_button.click()
33
34 # Verify job search results
35 job_search_results = driver.find_element(By.XPATH, value: "//h3[text()='Job search results']")
36 print("Job search results found")
37
38 # Close the browser
39 driver.quit()
40
```

# Connectppl.py

```
people search in Linkedin.py ×
1 from selenium import webdriver
2 from selenium.webdriver.common.by import By
3 import time
4 # Set up the webdriver
5 driver = webdriver.Chrome()
6 driver.get("https://www.linkedin.com/signup/cold-join")
7
8 # Login to LinkedIn
9 username = "208r1a05i2cse@gmail.com"
10 password = "Lasmaiah@5014"
11
12 username_input = driver.find_element(By.ID, value: "email-or-phone").send_keys("208r1a05i2cse@gmail.com")
13 password_input = driver.find_element(By.NAME, value: "password").send_keys("Lasmaiah@5014")
14 login_button = driver.find_element(By.XPATH, value: "//button[text()='Sign in']")
15 login_button.click()
16 # Navigate to people search page
17 people_search_link=driver.find_element(By.LINK_TEXT, value: "People")
18 people_search_link.click()
```

```
17
20 # Enter people search keywords
21 people_search_input = driver.find_element(By.XPATH, value: "//input[@aria-label='Search by name, keyword, or title']")
22 people_search_input.send_keys("Jyothika")
23
24 # Click on search button
25 search_button = driver.find_element(By.XPATH, value: "//button[text()='Search']")
26 search_button.click()
27
28 # Verify people search results
29 people_search_results = driver.find_element(By.XPATH, value: "//h3[text()='People search results']")
30 print("People search results found")
31 # Close the browser
32 driver.quit()
33
```

# Sign Test.py

linkedin sign.py

```
1 from selenium import webdriver
2 from selenium.webdriver import Keys
3 from selenium.webdriver.common.by import By
4 import time
5 driver = webdriver.Chrome()
6 driver.get("https://www.linkedin.com/signup/cold-join")
7 driver.maximize_window()
8 driver.find_element(By.ID, value="email-or-phone").send_keys("208r1a05i2cse@gmail.com")
9 driver.find_element(By.NAME, value="password").send_keys("Lasmaiah@5014")
10 driver.find_element(By.XPATH, value="/html/body/div[1]/main/div[2]/div[1]/form/div[4]/button")
11 time.sleep(15)
12 actual_title = driver.title
13 expect_title = "Sign in to your account, for the best experience"
14 if actual_title==expect_title:
15     print("login is successful.....well done python")
16 else:
17     print("login successfully.....very god my boy")
18
```

The screenshot shows a LinkedIn profile for upendhar ambati, a student at CMR College of Engineering & Technology in Hyderabad, Telangana. The profile includes a profile picture, a cover photo, and a bio. The bio mentions "Hi upendhar, are you hiring?" and "Discover free and easy ways to find a great hire, fast." There are two buttons: "Yes, I'm hiring" and "No, not right now". The profile also shows a "Connections" section with a "Try 1 month for ₹0" offer. The right sidebar features "Trending Now" and "Today's puzzles" sections.

in Search

Home My Network Jobs Messaging Notifications Me For Business Try Premium for ₹0

upendhar ambati  
Student at CMR College of Engineering & Technology  
Hyderabad, Telangana

+ Experience

Connections  
Grow your network

Access exclusive tools & insights  
Try 1 month for ₹0

Saved items

Groups

Newsletters

Events

Start a post

Photo Video Write article

Sort by: Top

Suggested

Ties Verberne • 3rd+  
Helping companies improve their GenAI development and collaboratio...  
Book an appointment  
4d •

+ Follow

Trending Now  
curated by LinkedIn News

Big Ideas 2025  
2d ago • 20,321 readers

Big ideas in tech, finance, and retail  
14h ago • 9,332 readers

Fresher hiring  
11h ago • 2,244 readers

Merger and acquisition deals  
11h ago • 948 readers

Hospitality sector  
10h ago • 679 readers

Show more

Today's puzzles

Tango  
Harmonize the grid

Queens  
Crown each region

Pinpoint  
Guess the category

Crossclimb  
Unlock a trivia ladder

# Job searchTest.py

```
Job search LinkedIn.py ×  
1 from selenium import webdriver  
2 from selenium.webdriver.common.by import By  
3 from selenium.webdriver.common.keys import Keys  
4  
5 # Set up the webdriver  
6 driver = webdriver.Chrome()  
7 driver.get("https://www.linkedin.com/signup/cold-join")  
8  
9 # Login to LinkedIn  
10 username = "208r1a05i2cse@gmail.com"  
11 password = "Lasmaiah@5014"  
12  
13 username_input = driver.find_element(By.ID, value: "email-or-phone").send_keys("208r1a05i2cse@gmail.com")  
14 password_input = driver.find_element(By.NAME, value: "password").send_keys("Lasmaiah@5014")  
15 login_button = driver.find_element(By.XPATH, value: "//button[text()='Sign in']")  
16 login_button.click()  
17  
18 # Navigate to job search page  
19 job_search_link = driver.find_element(By.LINK_TEXT, value: "Jobs")  
20 job_search_link.click()
```

The screenshot shows the LinkedIn job search interface. The search bar contains 'selenium testing' and the location is set to 'India'. The search results are displayed for 'selenium testing in India' with 4,649 results. The top result is for 'NIKSUN' with the title 'Quality Assurance Lead'. The second result is for 'LTI - Larsen & Toubro Infotech' with the title 'Automation Testing'. The interface includes filters for 'Jobs', 'Date posted', 'Experience level', 'Company', 'Remote', 'Easy Apply', and 'All filters'. The right sidebar shows the company profile for 'LTI - Larsen & Toubro Infotech' and a section titled 'Automation Testing' with details about the job location and application status.

in selenium testing India Search

Jobs Date posted Experience level Company Remote Easy Apply All filters

selenium testing in India 4,649 results Set alert

NIKSUN Quality Assurance Lead India (Remote) Viewed · Promoted · Easy Apply

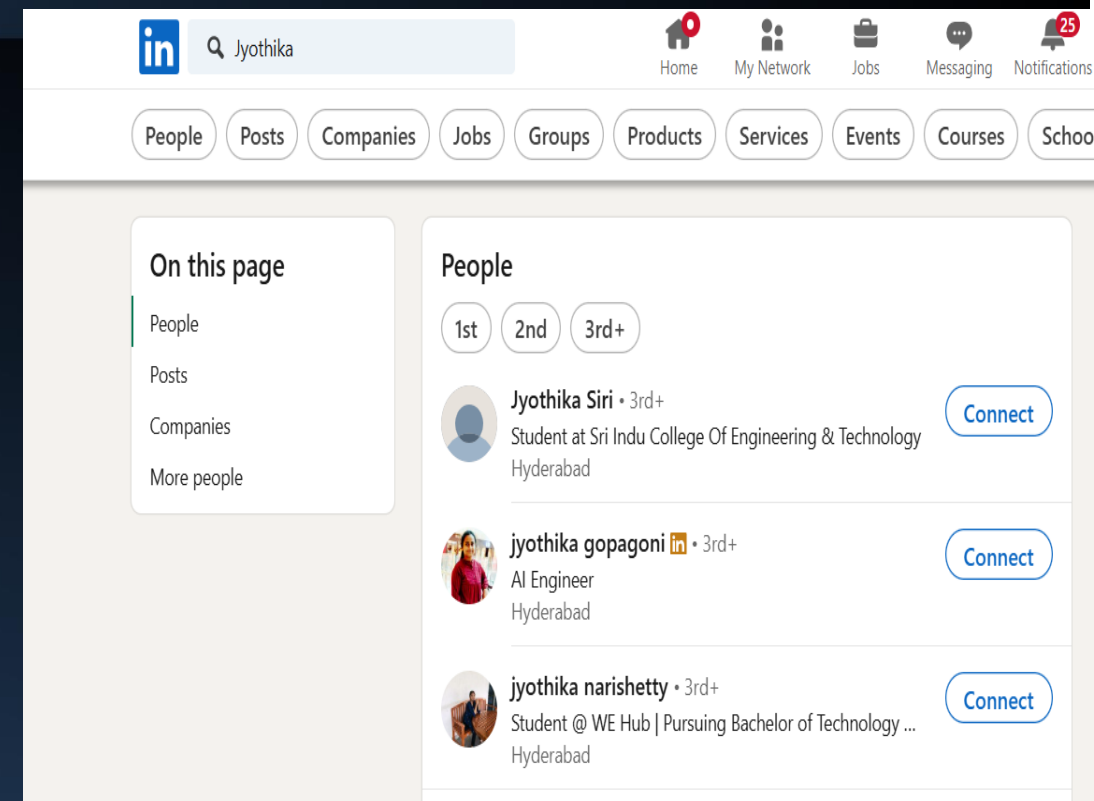
LTI - Larsen & Toubro Infotech Automation Testing Pune, Maharashtra, India (On-site) Response time is typically 4 days Viewed · Promoted · Easy Apply

LTI - Larsen & Toubro Infotech Automation Testing Pune, Maharashtra, India · 3 weeks ago · Over 100 applicants Easy Apply Save

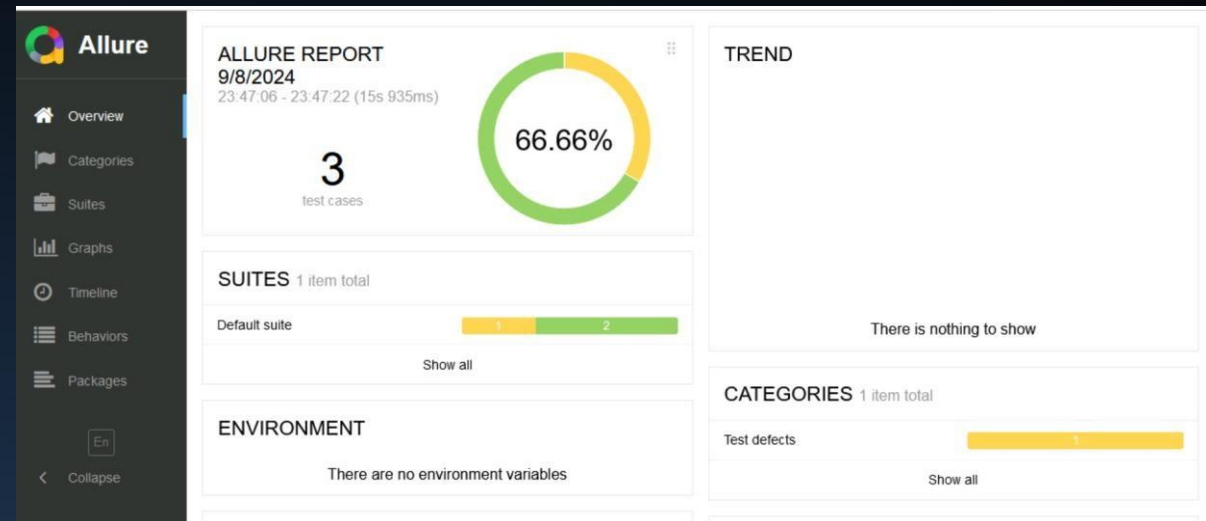
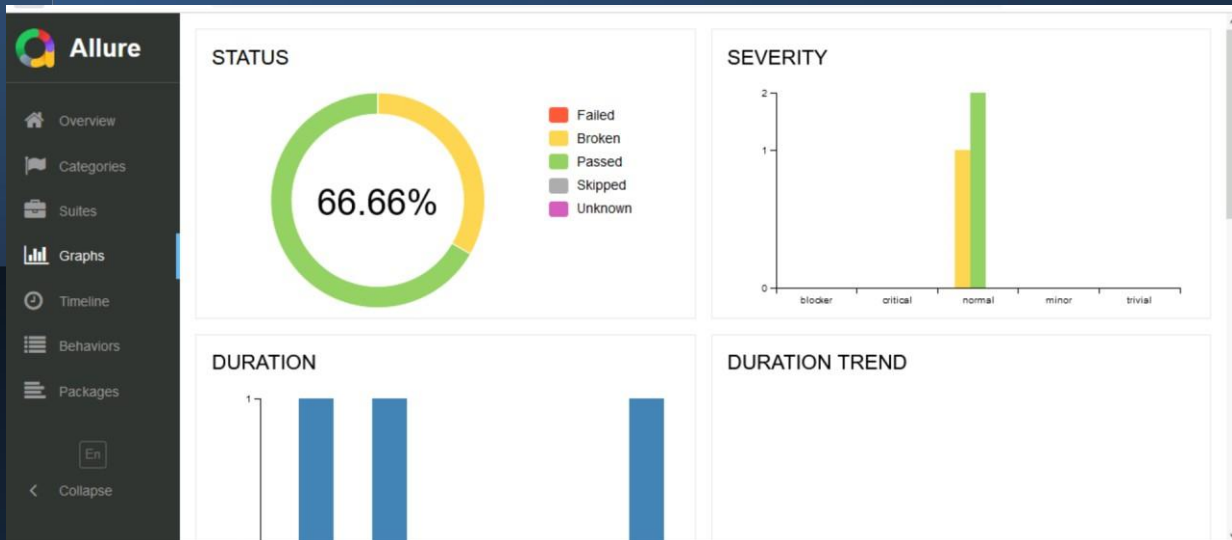
How your profile and resume fit this job Get AI-powered advice on this job and more exclusive features with for ₹0

# Connect ReqTest.py

```
people search in Linkedin.py x
1 from selenium import webdriver
2 from selenium.webdriver.common.by import By
3 import time
4 # Set up the webdriver
5 driver = webdriver.Chrome()
6 driver.get("https://www.linkedin.com/signup/cold-join")
7
8 # Login to LinkedIn
9 username = "208r1a05i2cse@gmail.com"
10 password = "Lasmaiah@5014"
11
12 username_input = driver.find_element(By.ID, value: "email-or-phone").send_keys("208r1a05i2cse@gmail.com")
13 password_input = driver.find_element(By.NAME, value: "password").send_keys("Lasmaiah@5014")
14 login_button = driver.find_element(By.XPATH, value: "//button[text()='Sign in']")
15 login_button.click()
16 # Navigate to people search page
17 people_search_link=driver.find_element(By.LINK_TEXT, value: "People")
18 people_search_link.click()
```



# Allure Report



# Mobile Testing

**Mobile Automation Testing** is the process of using automation tools and frameworks to test mobile applications for functionality, usability, performance, and reliability. It involves creating automated test scripts to validate the behavior of a mobile app on various platforms (e.g., Android, iOS) and devices (e.g., smartphones, tablets, emulators, simulators).

## Key Aspects of Mobile Automation Testing

### 1. Platforms:

- Android
- iOS

### 2. Application Types:

- Native Apps: Built specifically for a platform using platform-specific tools (e.g., Swift for iOS, Kotlin for Android).
- Web Apps: Accessed via a mobile browser.
- Hybrid Apps: Combine elements of both native and web apps.

# Android Studio

Android Studio is the official Integrated Development Environment (IDE) for Android app development, created by Google. It is built on JetBrains' IntelliJ IDEA software and is designed specifically for creating Android applications. It provides developers with tools and features to write, debug, test, and deploy Android apps efficiently.

## Key Features:

- 1.Code Editor:** Offers advanced code completion, refactoring, and syntax highlighting for Kotlin, Java, and C++.
- 2.Layout Editor:** Includes a drag-and-drop interface for designing app layouts with real-time preview functionality.
- 3.Emulator:** A built-in Android Emulator allows developers to test apps on virtual devices with various configurations.
- 4.Build System:** Uses Gradle for managing project dependencies and building APKs.



# lunching Appium Server

```
C:\WINDOWS\system32\cmd. X + v  
Microsoft Windows [Version 10.0.22631.4541]  
(c) Microsoft Corporation. All rights reserved.
```

```
C:\Users\ambat>appium  
[Appium] Welcome to Appium v2.13.1  
[Appium] The autodetected Appium home path: C:\Users\ambat\.appium  
[Appium] Attempting to load driver uiautomator2...  
[Appium] Requiring driver at C:\Users\ambat\.appium\node_modules\appium-uiautomator2-driver\build\index.js  
[Appium] AndroidUiautomator2Driver has been successfully loaded in 2.664s  
[Appium] Appium REST http interface listener started on http://0.0.0.0:4723  
[Appium] You can provide the following URLs in your client code to connect to this server:  
http://192.168.1.62:4723/  
http://127.0.0.1:4723/ (only accessible from the same host)  
[Appium] Available drivers:  
[Appium]   - uiautomator2@3.9.1 (automationName 'UiAutomator2')  
[Appium] No plugins have been installed. Use the "appium plugin" command to install the one(s) you want to use.
```

# Appium Inspector

Appium Inspector

File Edit View Help

Appium Server BrowserStack SauceLabs TestingBot RobotQA BitBar Perfecto mobitru Select Cloud Providers

Remote Host 127.0.0.1 Remote Port 4723 Remote Path / ☐ SSL

> Advanced Settings

Capability Builder Saved Capability Sets 1 Attach to Session...

platformName	text	android	🗑
appium:automationName	text	uiautomator2	🗑
appium:deviceName	text	emulator-5554	🗑
appium:ensureWebviewsHavePages	text	true	🗑
appium:nativeWebScreenshot	text	true	🗑
appium:newCommandTimeout	text	8000	🗑
appium:connectHardwareKeyboard	text	true	🗑
appium:appPackage	text	chat.simplex.app	🗑
appium:appActivity	text	chat.simplex.app.MainActivity	🗑

☒ Automatically add necessary Appium vendor prefixes on start

+

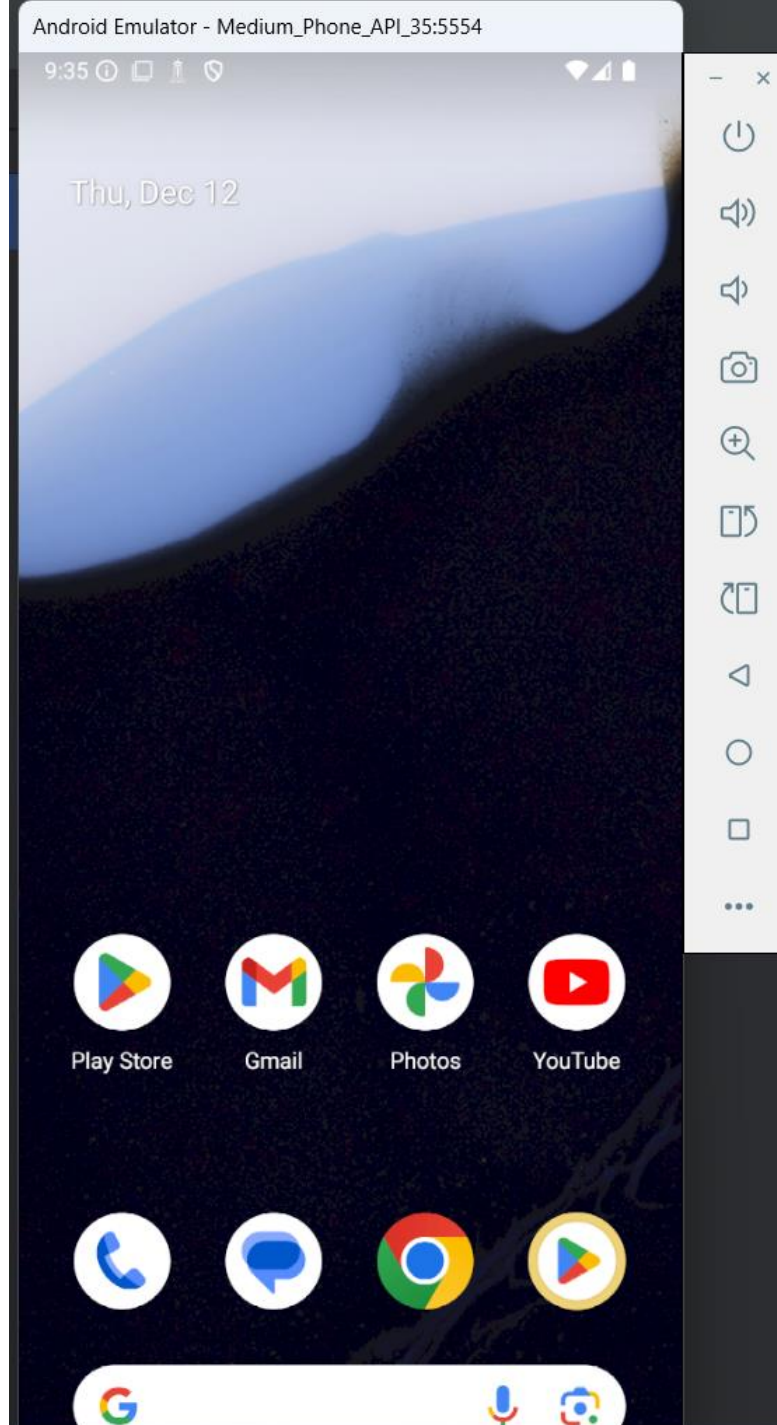
### JSON Representation

```
{  "platformName": "android",  "appium:automationName": "uiautomator2",  "appium:deviceName": "emulator-5554",  "appium:ensureWebviewsHavePages": "true",  "appium:nativeWebScreenshot": "true",  "appium:newCommandTimeout": "8000",  "appium:connectHardwareKeyboard": "true",  "appium:appPackage": "chat.simplex.app",  "appium:appActivity": "chat.simplex.app.MainActivity"}
```

[Capabilities Documentation](#)

Save Save As... Start Session

# Android Emulator



## Continuous Integration(CI):

Continuous Integration (CI) is a software development practice where developers frequently integrate code changes into a shared repository. Each integration is automatically verified by building the application and running automated tests to detect issues early. CI aims to improve software quality and reduce the time required to deliver updates by catching integration errors as soon as they occur.

### Key Components of CI:

- 1.Version Control System (VCS):** Code changes are pushed to a shared repository (e.g., GitHub, GitLab, or Bitbucket).
- 2.Build Automation:** A CI server (like Jenkins, GitHub Actions, or CircleCI) triggers automated builds whenever new code is committed.
- 3.Automated Testing:** Unit, integration, and sometimes functional tests are executed to validate the new changes.
- 4.Feedback:** Developers receive immediate feedback on the status of their code (build success, test results, or errors).

## Continuous Development

**Continuous Development** is a software engineering approach that extends **Continuous Integration (CI)** to include **Continuous Delivery (CD)** and sometimes **Continuous Deployment**. It focuses on automating the entire software delivery pipeline, from code integration to testing, deployment, and feedback collection. The goal is to enable faster, more reliable software updates and ensure new features or fixes reach users quickly and efficiently.

# Lunching Github

## Top repositories



Find a repository...

 UPI-5014/selenium

 UPI-5014/selenium-python-pytest

## Home

 Filter

 Learn with a tutorial project 

### Introduction to GitHub

Get started using GitHub in less than an hour.

### GitHub Pages

Create a site or blog from your GitHub repositories with GitHub Pages.

### Code with Copilot

Develop with AI-powered code suggestions using GitHub Copilot, Codespaces, and VS Code.

### Hello GitHub Actions

Create a GitHub Action and use it in a workflow.

[See more tutorial projects](#)

 Start writing code 

### Start a new repository for UPI-5014

A repository contains all of your project's files, revision history, and collaborator discussion.

Repository name \*

name your new repository...



### Introduce yourself with a profile README

Share information about yourself by creating a profile README, which appears at the top of your profile page.

UPI-5014 / README.md



Create

## Explore repositories

 xLightsSequencer / xLights 



xLights is a sequencer for Lights. xLights has usb and E1.31 drivers. You can create sequences in this object oriented program. You can create playlists, schedule them, test your hardware, convert ...

☆ 576 

 etalab / transport-site 

Rendre disponible, valoriser et améliorer les données transports

☆ 203 

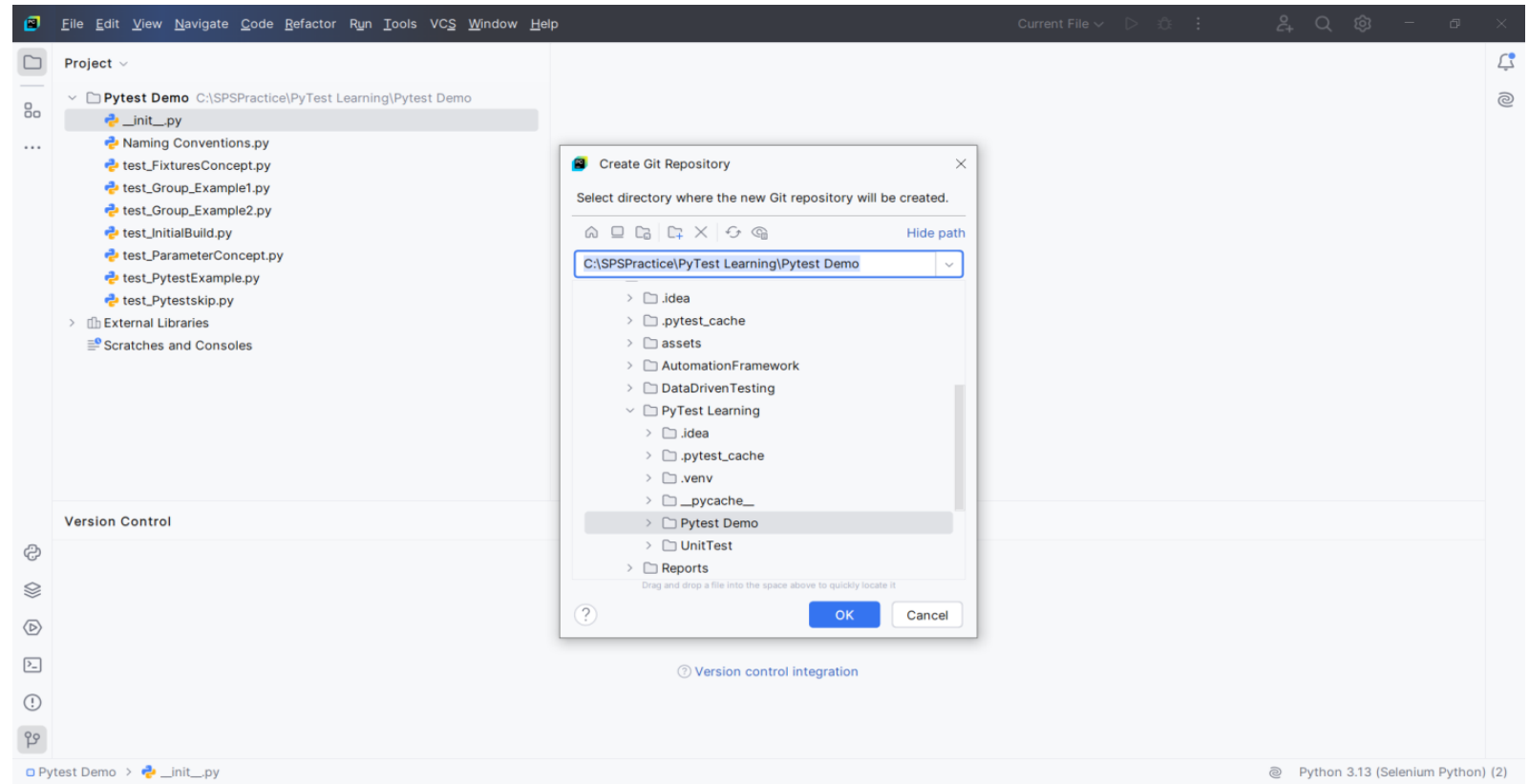
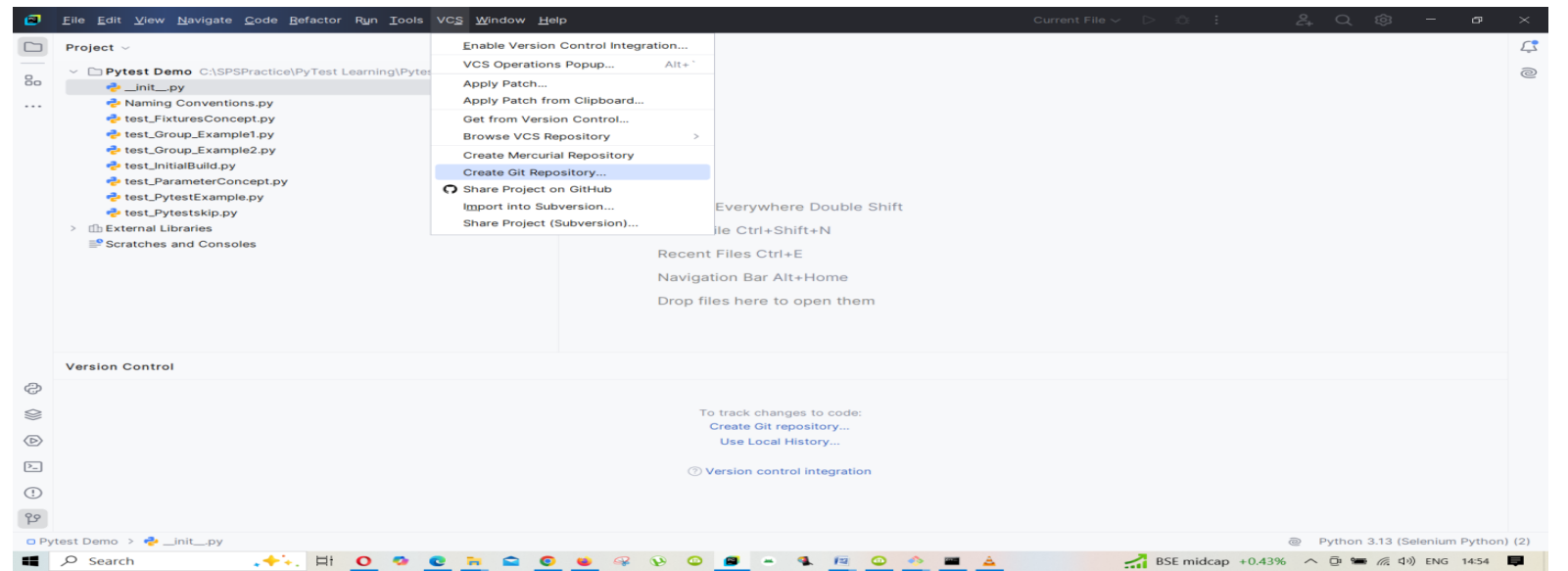
 miroiu / nodify 

Highly performant and modular controls for node-based editors designed for data-binding and MVVM.

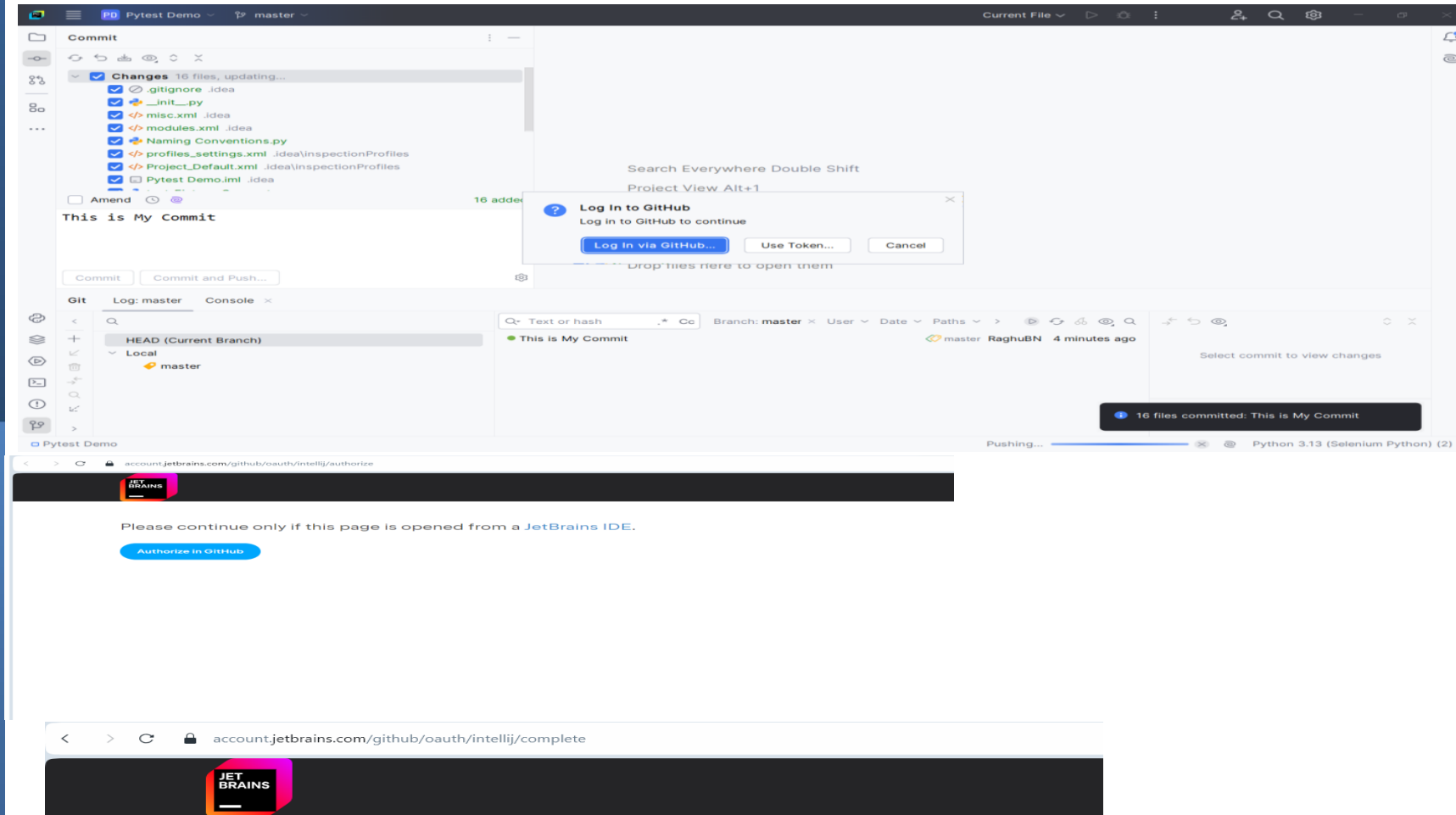
☆ 1.4k 

[Explore more →](#)

# Push the code to Github



# Push the code to Github



You have been successfully authorized in GitHub. You can close the page.

Successfully  
code is pushed  
into the Github

The screenshot shows a GitHub repository page for 'UPI-5014 / selenium'. The repository is public and has 1 commit, 1 branch (master), and 0 tags. The commit history shows two files: '.idea' and 'UNIT TESTING', both committed 3 days ago. The README section is currently empty, with a prompt to 'Add a README'. The right sidebar shows repository statistics: 0 stars, 1 watching, and 0 forks. There are also links to 'Create a new release' and 'Publish your first package'.

UPI-5014 / selenium

Type / to search

Code Issues Pull requests Actions Projects Wiki Security Insights Settings

selenium Public

Pin Unwatch 1 Fork 0 Star 0

master 1 Branch 0 Tags

Go to file t Add file <> Code About

UPI-5014 first commit 1df87c3 · 3 days ago 1 Commit

.idea	first commit	3 days ago
UNIT TESTING	first commit	3 days ago

README

Add a README

Help people interested in this repository understand your project by adding a README.

Add a README

No description, website, or topics provided.

Activity

0 stars

1 watching

0 forks

Releases

No releases published

[Create a new release](#)


Packages

No packages published






[Publish your first package](#)




# Lunching Jenkins


 **Jenkins**


Search (CTRL+K) ?


 1  2  Upendhar ambati   log out


Dashboard >

 New Item


 Build History


 Manage Jenkins

 My Views

Build Queue 

No builds in the queue.


Build Executor Status  0/2

Add description 


## Welcome to Jenkins!


This page is where your Jenkins jobs will be displayed. To get started, you can set up distributed builds or start building a software project.


### Start building your software project

Create a job 

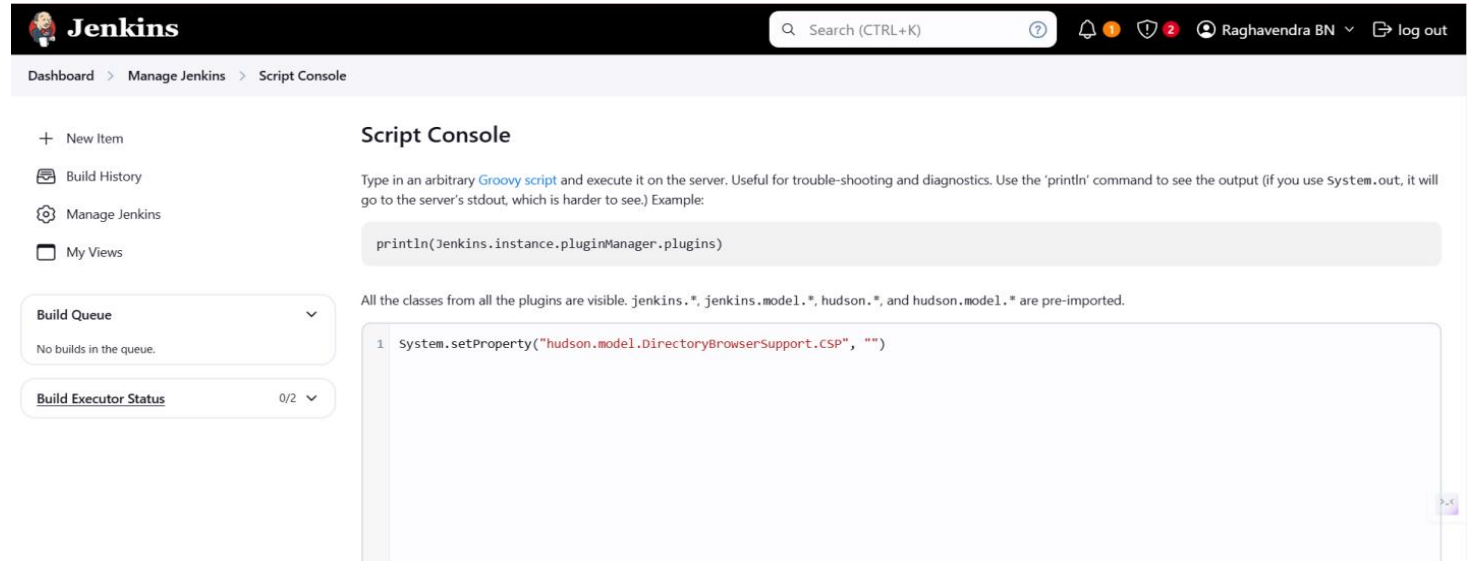
### Set up a distributed build

Set up an agent 

Configure a cloud 

Learn more about distributed builds 

# Jenkins script console



The screenshot shows the Jenkins web interface. At the top is a black header with the Jenkins logo, a search bar, and user information. Below the header is a breadcrumb trail: Dashboard > Manage Jenkins > Script Console. On the left side, there is a sidebar with navigation links: '+ New Item', 'Build History', 'Manage Jenkins', and 'My Views'. Below these are two status boxes: 'Build Queue' (showing 'No builds in the queue.') and 'Build Executor Status' (showing '0/2'). The main area is titled 'Script Console'. It contains a text input field with the code `println(Jenkins.instance.pluginManager.plugins)`. Below the input field, there is a message: 'All the classes from all the plugins are visible. jenkins.\*, jenkins.model.\*, hudson.\*, and hudson.model.\* are pre-imported.' At the bottom, there is a text area with a single line of code: `1 System.setProperty("hudson.model.DirectoryBrowserSupport.CSP", "")`. A small icon in the bottom right corner of the text area indicates that the code can be executed.

Jenkins

Search (CTRL+K)

Dashboard > Manage Jenkins > Script Console

+ New Item

Build History

Manage Jenkins

My Views

Build Queue

No builds in the queue.

Build Executor Status 0/2

### Script Console

Type in an arbitrary [Groovy script](#) and execute it on the server. Useful for trouble-shooting and diagnostics. Use the 'println' command to see the output (if you use `System.out`, it will go to the server's stdout, which is harder to see.) Example:

```
println(Jenkins.instance.pluginManager.plugins)
```

All the classes from all the plugins are visible. `jenkins.*`, `jenkins.model.*`, `hudson.*`, and `hudson.model.*` are pre-imported.

```
1 System.setProperty("hudson.model.DirectoryBrowserSupport.CSP", "")
```

# Push Code From Git Repository

Dashboard > Push Code From Git Repository Demo >

Status

Changes

Workspace

Build Now

Configure

Delete Project

Allure Report

Execution HTML Reports

Rename

Push Code From Git Repository Demo

How to Push Python Project to Git Remote and Running In CI/CD Jenkins

Allure Report

Execution HTML Reports

Permalinks

- Last build (#3), 2 days 21 hr ago
- Last failed build (#3), 2 days 21 hr ago
- Last unsuccessful build (#3), 2 days 21 hr ago
- Last completed build (#3), 2 days 21 hr ago

Builds

Filter /

December 9, 2024

#3 2:20 PM

#2 12:42 PM



Thank You