



INTERNSHIP PROGRAM

ANDROID DEVELOPMENT



About Us

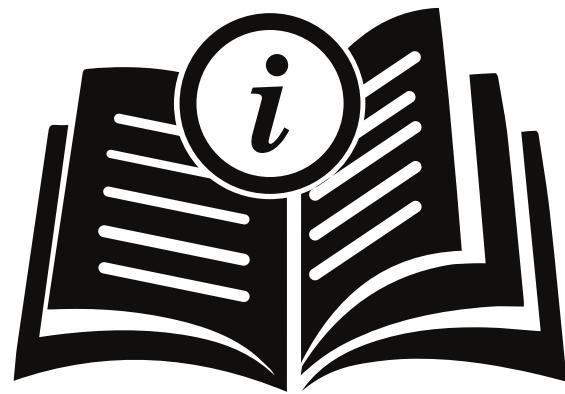


- Cognifyz Technologies is a leading technology company that specializes in the dynamic field of data science and excels in delivering impactful projects and solutions.
- The company offers a wide range of products and services, including artificial intelligence (AI), machine learning (ML), and data analytics tools.
- Cognifyz Technologies also provides training programs to enhance skills and knowledge in these areas.
- The company focuses on delivering innovative and cutting-edge solutions to meet the evolving needs of businesses.



MSME BUSINESS FORUM

During your internship tenure, it is important to keep in mind the following points



- Enhance your professional presence by updating your LinkedIn profile. Share your achievements, such as the offer letter or internship completion certificate, which you received from us. Don't forget to mention and tag Cognifyz Technologies in your posts. You can use hashtags like #cognifyz #cognifyzTech #cognifyzTechnologies to showcase your affiliation.
- Maintain academic integrity and respect intellectual property. Plagiarism and copying code are serious offenses that can lead to the termination of your internship and subsequent restriction from future opportunities with us.
- Demonstrate your work by sharing a video showcasing the completion of your tasks on LinkedIn. Remember to tag Cognifyz Technologies in your post and use relevant hashtags like #cognifyz #cognifyzTech #cognifyzTechnologies to engage with our community.

SUBMISSION



- Create a professional video showcasing your internship projects and achievements.
- Host the video on LinkedIn to provide proof of your work and establish credibility among your peers. Consider tagging Cognifyz Technologies in your posts to ensure they are notified of your work.
- A **SUBMISSION FORM** will be shared later. Till then please continue your task and make a separate file of each level.
- When posting the video on LinkedIn, include the following hashtags to maximize visibility and engagement: #cognifyztechnologies #cognifyz #cognifyztech. Additionally, depending on your internship domain.





ANDROID DEVELOPMENT

TASK LIST

Welcome to our exciting Android Development internship program! To complete this internship, you will have to finish at least 5 tasks out of 8. We've designed these tasks to cater to your convenience and ensure an engaging and rewarding experience.



Level 1: Beginner



Task 1: Hello World App

Objective: Build a basic Android app with a welcome message.

Steps:

- 1. Create a new Android project:**
 - Open Android Studio and start a new project.
 - Choose an empty activity template.
- 2. Design the layout:**
 - Open the XML layout file (`activity_main.xml`).
 - Add a `TextView` element to display "Hello World."

Level 1: Beginner



Task 2: Button Interaction

Objective: Enhance the app with button interaction.

Steps:

1. Add a button:

- In the XML layout file, add a Button element.
- Set an ID for the button for easy reference in code.

2. Implement a click listener:

- In the Java code (MainActivity.java), get a reference to the button using its ID.
- Set a click listener on the button to respond to clicks.

3. Display a simple message:

- Inside the click listener, use a Toast to display a message when the button is clicked.

Level 2: Intermediate

Task 3: List Display

Objective: Develop an app that displays a list of items.

Steps:

1. Create a new activity:

- Add a new activity in Android Studio for the list view.

2. Implement a ListView:

- Design the layout with a ListView element.
- Populate the list with static data using an adapter.



Level 2: Intermediate



Task 4: Basic UI Layout

Objective: Build an app with multiple activities and a basic UI layout.

Steps:

- 1. Create additional activities:**
 - Add more activities in the Android Studio project.
- 2. Use XML layout:**
 - Design the layout for each activity using XML.
 - Arrange UI elements like buttons and text fields in the XML files.

Level 3: Advanced

Task 5: Fetch and Display Data

Objective: Modify the app to fetch and display data dynamically.

Steps:

1. Define a list or array:

- Create a list or array in the Java code with predefined data.

2. Modify the app:

- Change the app's logic to fetch and dynamically display data in a RecyclerView or ListView.



Level 3: Advanced



Task 6: Simple Form

Objective: Create an app with a simple form and form submission.

Steps:

1. Design a form layout:

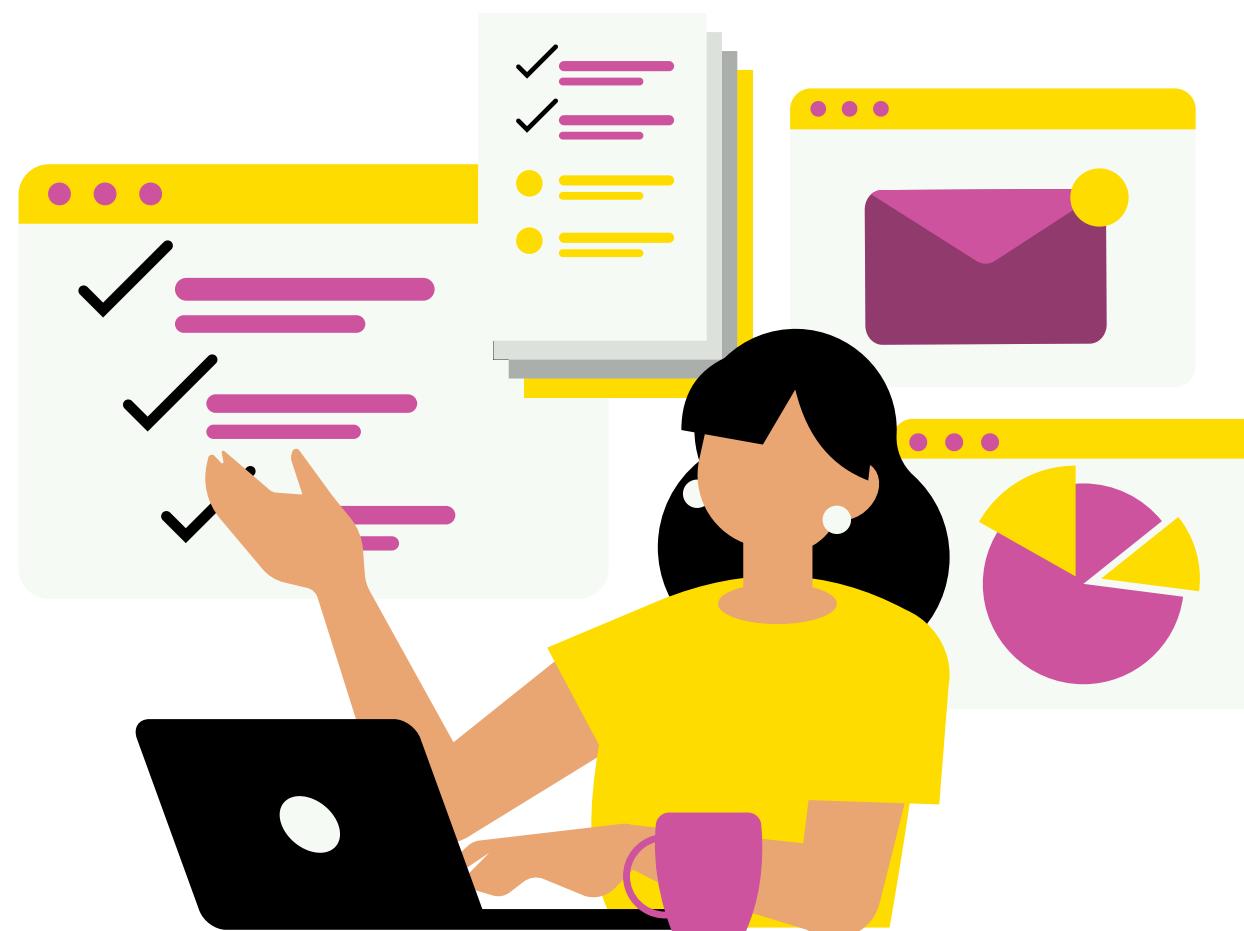
- Create a new activity with a form layout containing input fields (e.g., name, email).

2. Implement form submission:

- Add a button to submit the form.
- Implement an action (e.g., display a toast) upon form submission.

Level 4: Expert

Task 7: Basic Database Usage



Steps:

1. Set up a SQLite database helper class:

- Create a database helper class to manage database creation and version management.
- Define tables and columns for basic information (e.g., user preferences).

2. Store and retrieve information:

- Modify the app to store and retrieve basic information using SQLite database operations.

Level 4: Expert



Task 8: Implement Navigation

Objective: Enhance the app with smooth navigation between screens.

Steps:

- 1. Implement basic navigation using intents:**
 - Define explicit intents to navigate between different activities.
- 2. Ensure smooth transition:**
 - Add appropriate animations to create a smooth transition between activities.
 - Test the navigation flow to ensure a seamless user experience.

How to Contact Us?

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