

# Certura Internship program

*“We help you grow!”*

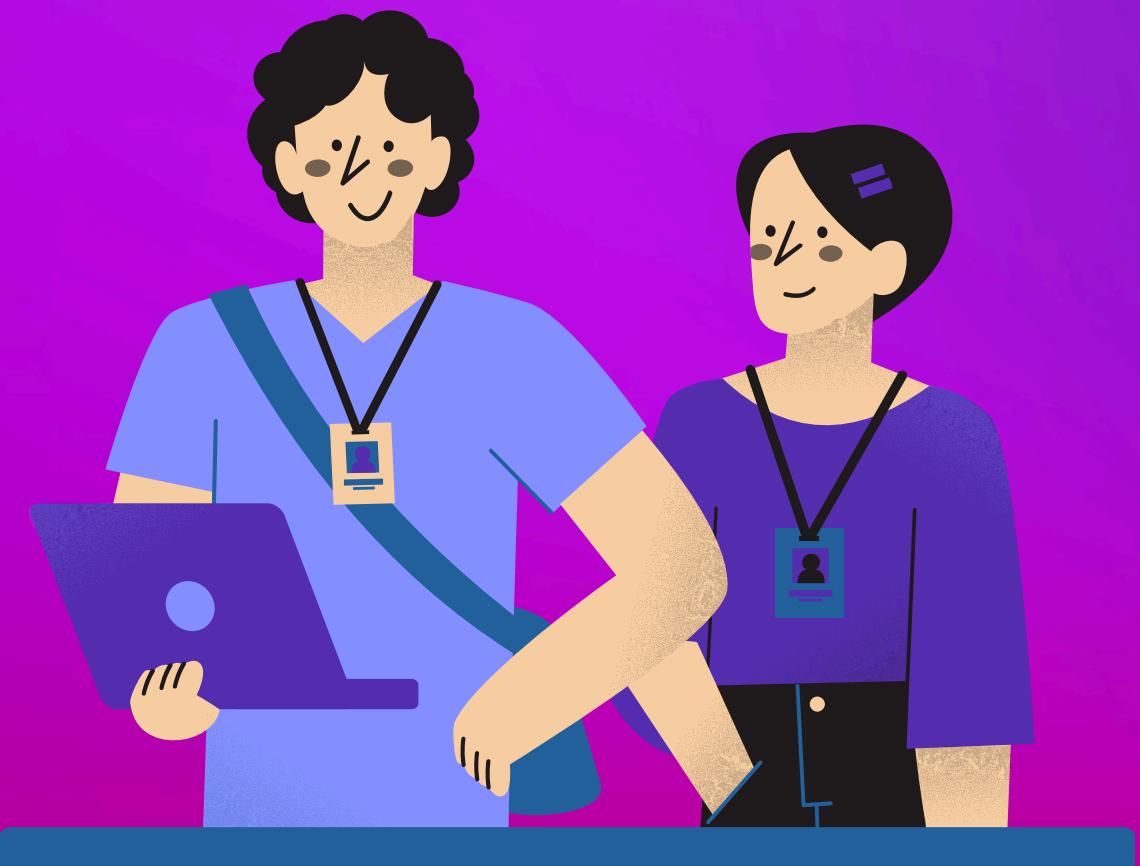
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# Introduction:

At Certura, we're transforming the way students prepare for the tech industry. Our internship program is built on immersive, real-world experiences, where students dive into live projects and sharpen their skills in a dynamic, practical environment. With personalized guidance from expert mentors, students gain the confidence to apply their knowledge to solve complex, real-world problems.



Our team of industry veterans is passionate about helping students not only grow their technical abilities but also develop the critical thinking and problem-solving skills essential for success. At Certura, we foster an environment of creativity, innovation, and growth, ensuring that every student is ready to make a meaningful impact in the tech world. We're more than just internships – we're shaping the future of tomorrow's tech leaders.

# Instructions:

*Read the instructions carefully as they are crucial for the completion of internship:*

1. It is mandatory for all students participating in the internship program to follow our linked-in page and join our Whatsapp Group for updates regarding the internship tasks and status.
2. Students are required to share their offer letters on linked using relative hashtags, such as #Certura, #coding etc. (Use at-least 5 relevant hashtags).
3. Students are required to complete all three tasks in order to obtain internship certificate and to qualify for successful completion of internship.
4. Students are required to upload all three tasks on their linked-in profiles with relevant hashtags and a brief overview of the assigned task and its objective.
5. Students are required to complete these tasks before the deadline (last day of every month, 30th or 31st for all other months and 28th or 29th for Feb).
6. No late submission of tasks will be accepted after deadline.
7. It is to be kept in mind that this is a one month internship program and is a remote opportunity.





BEST OF LUCK!

# TASK 1 : Build a RESTful API with CRUD

- Goal: Create an API for managing tasks (create, read, update, delete).
- Example Tools: Flask, SQLite, Postman.
- Steps:
- Set up a back-end server using Flask or Express.js.
- Implement endpoints like /tasks for GET, POST, PUT, and DELETE operations.
- Use a database (SQLite or MongoDB) to store tasks.
- Test API endpoints using Postman.



# TASK 2: Implement Token-Based Authentication

- Goal: Secure an API with JWT for user login.
- Example Tools: Flask, PyJWT, Postman.
- Steps:
- Set up a user database with hashed passwords.
- Create a login endpoint that generates a JWT on successful login.
- Implement middleware to verify the token for protected endpoints.
- Test the authentication flow using Postman.



# TASK 3: Build a File Upload Endpoint

- Goal: Allow users to upload and retrieve files through an API.
- Example Tools: Flask, Node.js, AWS S3 (optional).
- Steps:
  - Create an endpoint to accept file uploads.
  - Save uploaded files in a structured directory on the server.
  - Add endpoints to list and retrieve uploaded files.
  - Test by uploading and downloading various file types.





*“The only place success comes before work is in the dictionary”*

*-Vidal Sassoon*

# CONTACT US

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