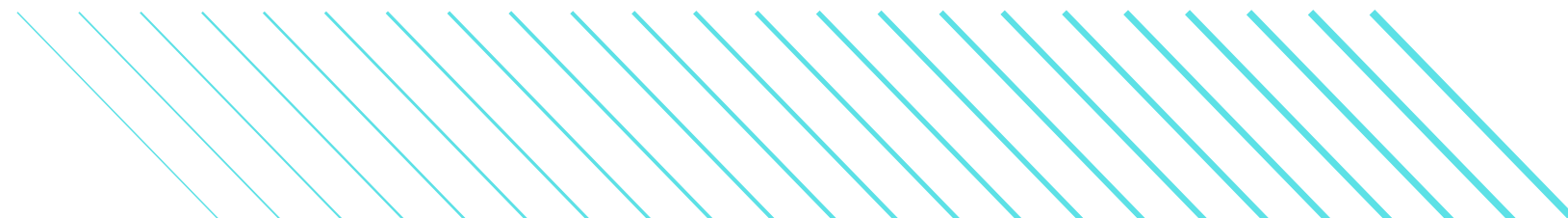
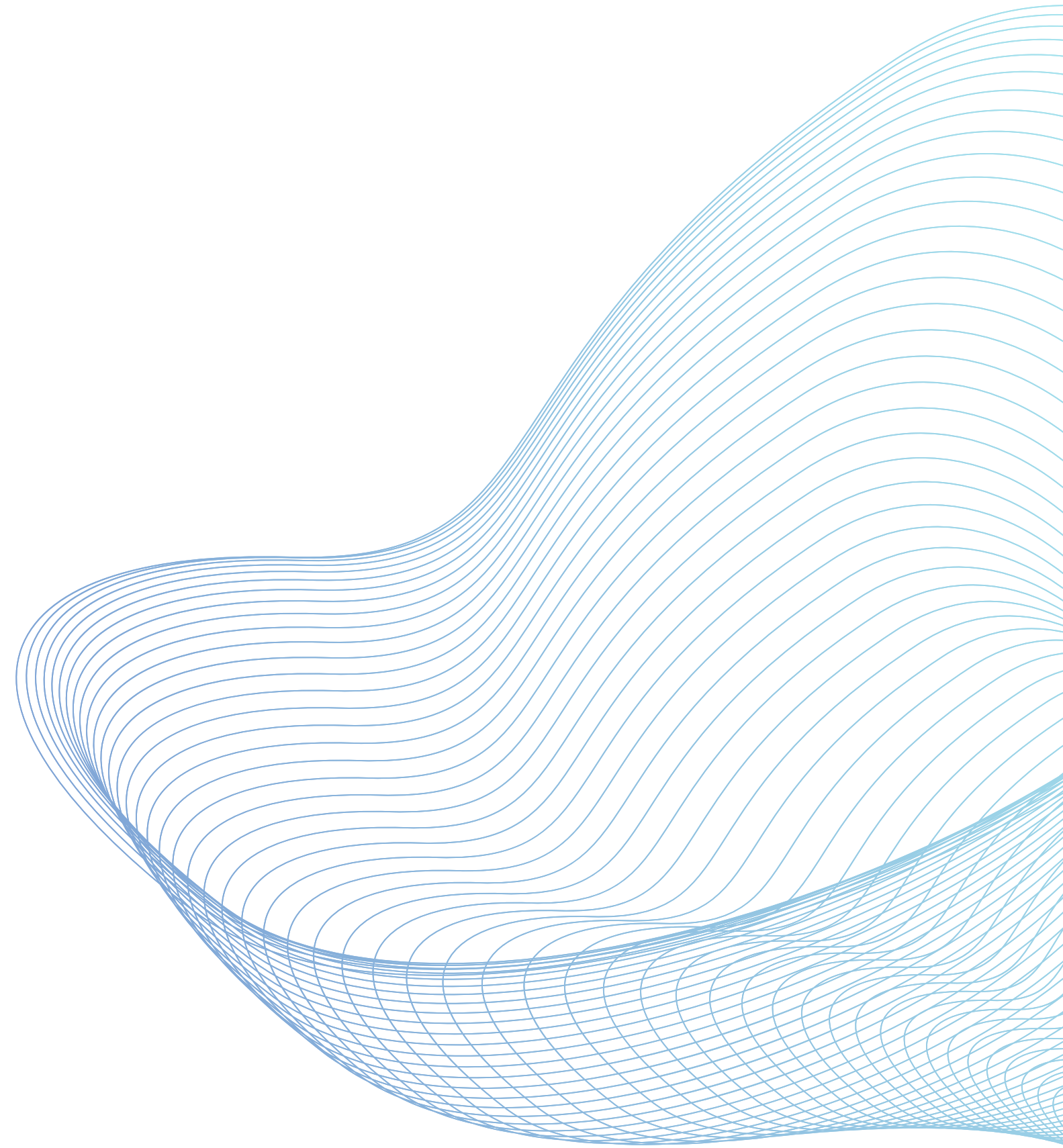


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About Us

This is very important as internship programs provide comprehensive experience and knowledge to the students, giving them real and relevant work experience.

CodeAlpha is a leading software development company dedicated to fostering talent and innovation in various domains. With a strong commitment to excellence, we offer internship opportunities that provide hands-on experience in cutting-edge technologies and a dynamic work environment.

About Internship

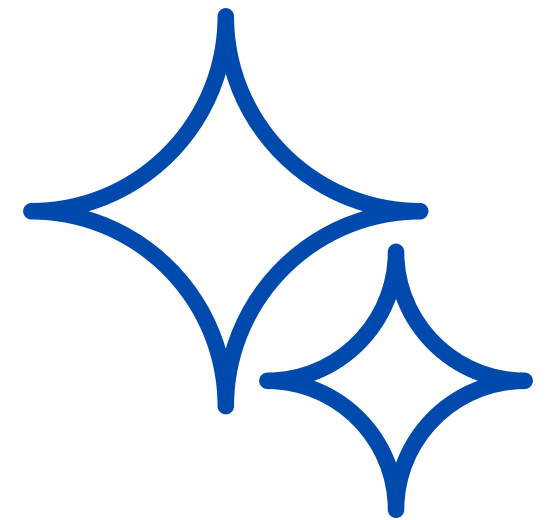
- Internship Offer letter
- Job Opportunities/Placement Support
- Completion Certificate
- Resume Building

Instructions

- Share your intern status on LinkedIn by mentioning @CodeAlpha.
- Complete Assigned Projects within the mentioned period of time.
- Upload Your whole source code on GitHub by creating repository named CodeAlpha_Project_Name.
- Update your Project completion on LinkedIn with a video explanation and share the GitHub project repository link.
- You will be provided a weekly task and In a given time and have to complete that task and submit via Submission form .
- You will be provided two task in all domains but you have to complete only one in your domain (Select One Task).

1st Inspiring Quotes

Your work is going to fill a large part of your life,
and the only way to be truly satisfied is to do
what you believe is great work. And the only way
to do great work is to love what you do

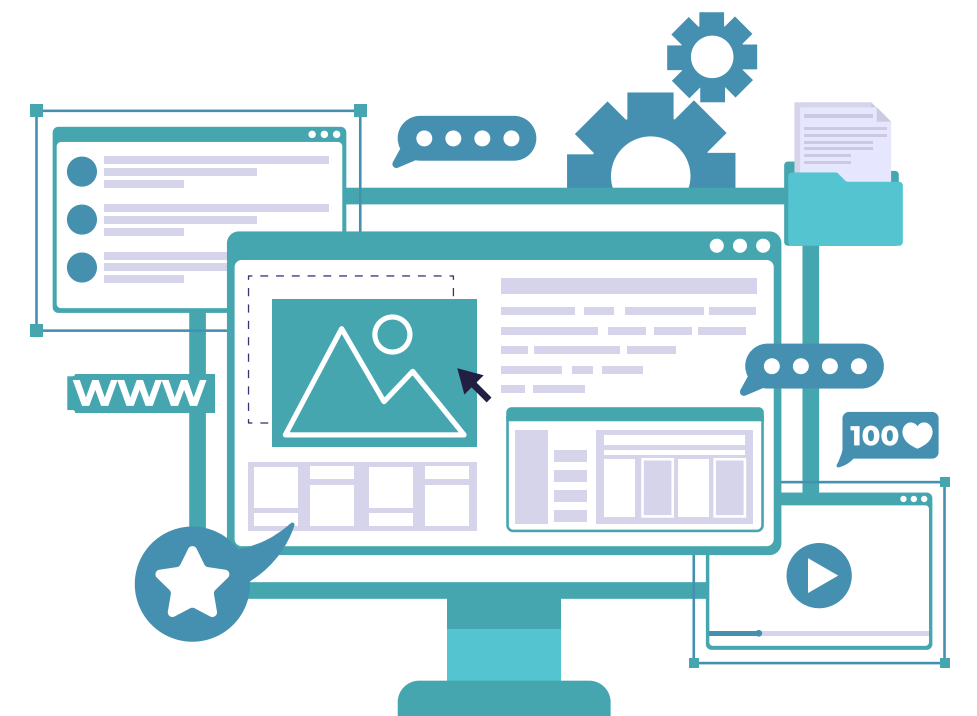




Web Development

TASK LIST

In web development, you learn how to build websites and web apps. This includes HTML, CSS, JavaScript, frameworks such as React or Angular, and server-side scripting.



TASK 1

LANDING PAGE

This project demands a foundational understanding of HTML and CSS. You will learn how to add columns, divide sections, arrange items, add headers, footers. Most importantly, you will use your creativity to make the page look impressive. The alignments, the padding, the color palette, boxes and all the other elements on the page require attention.



TASK 2

LOGIN AUTHENTICATION

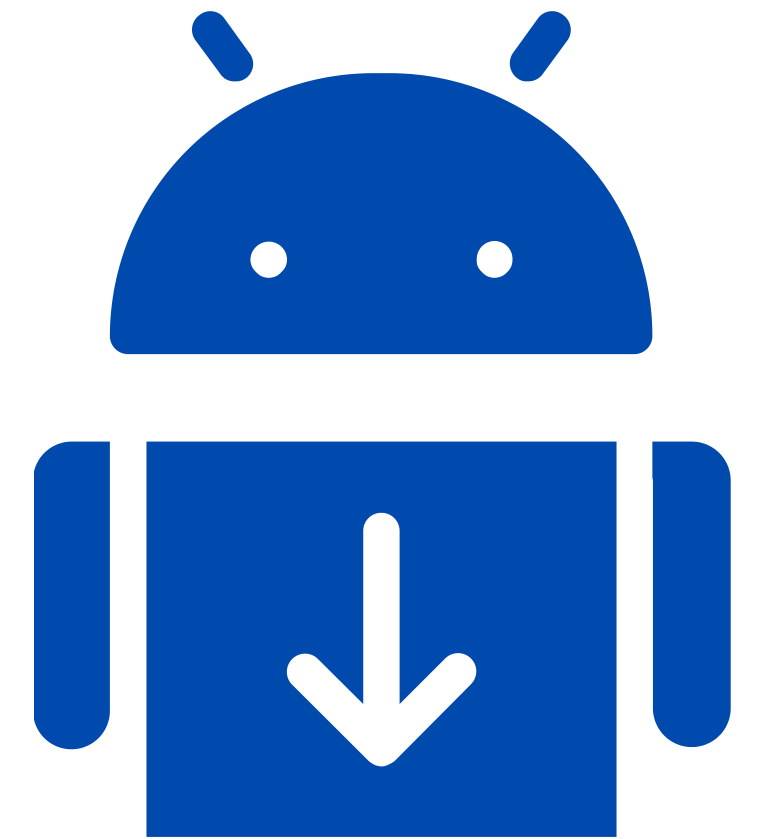
Create a simple login authentication system using a programming language of your choice (e.g., Python, JavaScript, Java, etc.) that allows users to register, login, and access a secured page.



App Development

TASK LIST

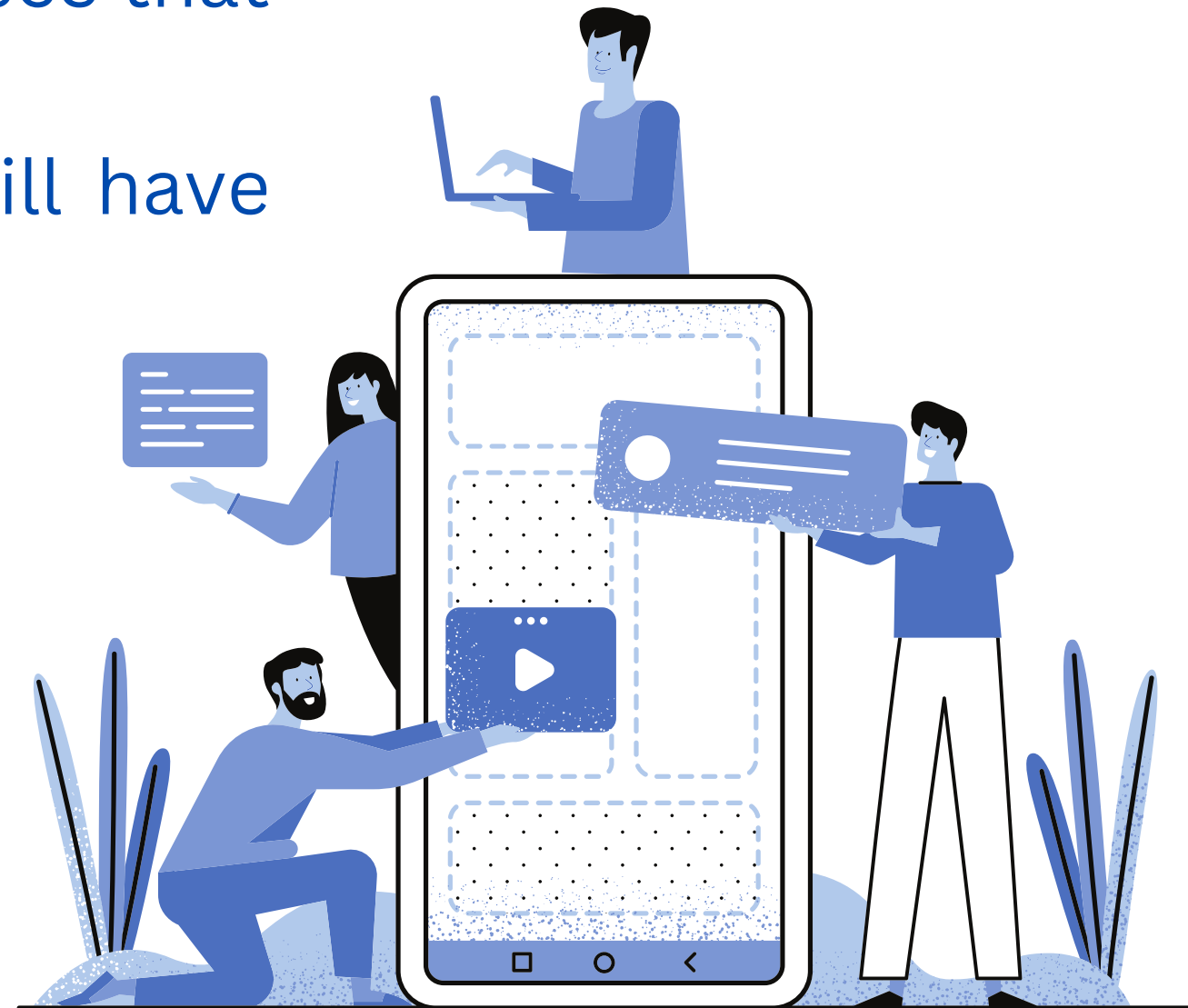
In Android development, you learn programming for Android apps and features. You can use different options in it, such as Java, Kotlin or React Native. There is a great demand for Android development experts and it can provide you a great career opportunity.



TASK 1

STOP WATCH

A stopwatch is another simple android project idea that will work the same as a normal handheld timepiece that measures the time elapsed between its activation and deactivation. This application will have three buttons that are: start, stop, and hold.



TASK 2

UNIT CONVERTER APPLICATION

This application will aim at helping its users by converting the units from one another. This app will take input from the user and convert it to the desired unit and give the result. For example, it will be able to convert a value in centimeters to Meters or grams to kilograms and vice versa.

Java Development

TASK LIST

Interns may be tasked with implementing algorithms, building applications, or contributing to existing codebases. The goal is to gain hands-on experience, improve Java skills, and demonstrate problem-solving abilities in real-world scenarios.

TASK 1

NUMBER GUESSING GAME

Laptop with Browser Icon

The fun and easy project “Guess the Number” is a short Java project that allows the user to guess the number generated by the computer & involves the following steps:

- The system generates a random number from a given range, say 1 to 100.
- The user is prompted to enter their given number in a displayed dialogue box.
- The computer then tells if the entered number matches the guesses number or it is higher/lower than the generated number.
- The game continues under the user guessing the number

TASK 2

ATM INTERFACE

Laptop with Browser Icon

We have all come across ATMs in our cities and it is built on Java. This complex project consists of five different classes and is a console-based application. When the system starts the user is prompted with user id and user pin. On entering the details successfully, then ATM functionalities

Transactions History

- Withdraw
- Deposit
- Transfer
- Quit

Python Programming.

TASK LIST

Tasks may include developing applications, writing scripts for data analysis, building web applications with frameworks like Django, or solving algorithmic challenges. The goal is to gain practical experience and showcase Python skills for future career opportunities.

TASK 1

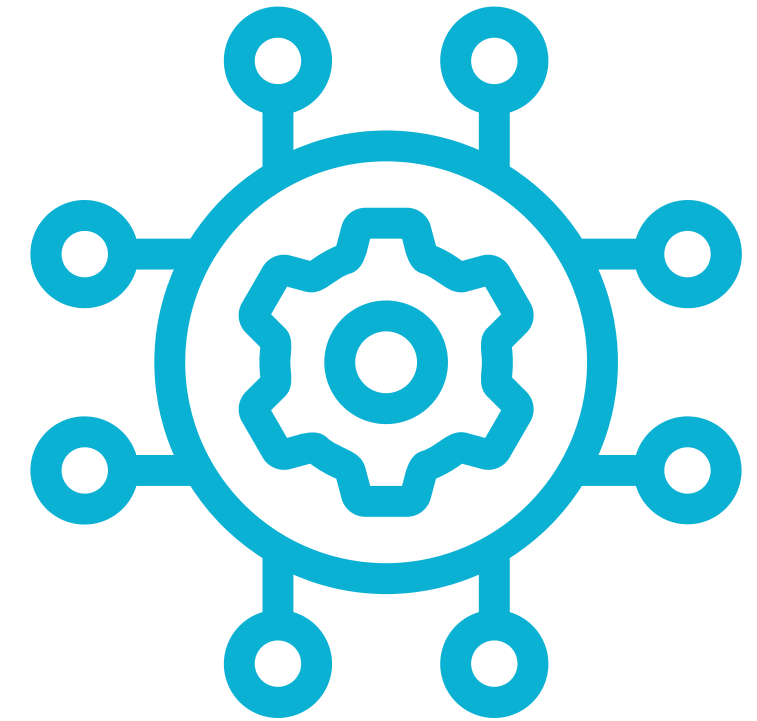
IMAGE TO SOUND

Learn how to combine Optical Character Recognition (OCR) and Speech Synthesis to create a program that can turn text from an image into spoken words using Python and the pytesseract library with just one line of code.

TASK 2

BINARY SEARCH ALGORITHM

As the binary term explains, the system will take any input starting from 0 to any range that you specify and display a range of numbers with a difference of two



Machine Learning.

TASK LIST

CodeAlpha offers internship opportunities in Machine Learning, providing you with a unique chance to delve into the world of cutting-edge artificial intelligence and data science. We are committed to nurturing your talent by offering hands-on experience, mentorship, and exposure to real-world machine learning projects

TASK 1

STOCK PRICE PREDICTION

For beginners, a stock price prediction project is an excellent starting point. It involves using historical stock market datasets, volatility indices, and fundamental indicators to forecast prices over the coming months. It's a valuable introduction to working with large datasets and prediction modeling. Begin by downloading a stock market dataset from sources like Quantopian or Quandl to kickstart the project.

TASK 2

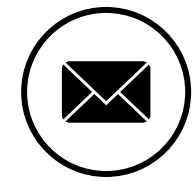
BREAST CANCER PREDICTIONS

This machine learning project involves using a dataset to assess the probability of a breast tumor being malignant or benign. It considers factors such as lump thickness, bare nuclei count, and mitosis. It's a valuable opportunity for aspiring machine learning practitioners to gain experience in R programming while working on a real-world problem.

SUBMISSION DETAILS

You will have to provide task submission for each task(weekly task)

It's essential for each intern to complete all the assigned tasks. If someone completes only one or two tasks, their internship may be considered incomplete or certificate will not be provided, So Please make sure to fulfill all the tasks assigned to you and submit in Submission form to ensure a successful Internship.



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