



The Intern Academy

TASKS LIST WITH INSTRUCTIONS

50°C Summer Internship Program

The task contains below mentioned domains:

- Mobile App development
- Python Projects
- Web Development
- Data Science & machine learning
- Designing
- Campus Ambassador

Instructions for all the domain related tasks

- LinkedIn profile update is MANDATORY FOR ALL and must be completed in order to be eligible for the Internship Completion Certificate
- You can do as many tasks you want from your domain category for your learning & skills development.
- For tech tasks you need to submit code using github/gitlab (public repository).
- For each task a video preferably with your audio explaining your work needs to be created to showcase your work demo of your effort (running application and code for tech tasks),
- And the video can afterwards be shared on YOUR LinkedIn account or youtube as a proof of your work and build credibility among your peers. You must tag The Intern Academy in such posts.

- In the 3rd week of your current working month a form will be shared with you where you need to submit your completed tasks
- You need to submit links for content and video of your tasks in the Task Submission Form that will be shared later.
- At the end of your current working month a feedback form will be shared that must be filled in order to get your Internship Completion Certificate



Web Development Tasks

Task 1:

- Create a blogging website with like comment and review feature for a blog added Here it a user panel is required Create a home page with html CSS and js that will show all the blogs that will be posted.

Task 2:

- Create an e commerce website with carts. The site will show various items and whoever wants to buy will simple find its rate and book it with address details and save it to database

Task 3:

Create a auto portfolio creation website where each user can create a portfolio with details template layout should be shown to everyone with different choices. It will be a single page with all details in 1 page, several links of linked in or GitHub will be added

Task 4:

Create a portal where one can post the blogs along with his/her email and phone contact and other relevant details you want to add. The personal details should be added in a database of your choice or simply add them in a static file



Data Science & Machine Learning Tasks

Task 1

Titanic EDA

Task Details

Every task has a story. Tell users what this task is all about and why you created it :

Analysing Titanic Data Set

Expected Submission

What should users submit? Should they solve the task primarily using Notebooks or Datasets? What should the solution contain? : For Study and research

Dataset

:<https://www.kaggle.com/shuofxz/titanic-machine-learning-from-disaster/tasks?taskId=2692>

Task 2:

Parkinson's diseases detection

Task details:

This dataset is composed of a range of biomedical voice measurements from 31 people, 23 with Parkinson's disease (PD). Each column in the table is a particular voice measure, and each row corresponds to one of 195 voice recordings from these individuals ("name" column). The main aim of the data is to discriminate healthy people from those with PD, according to the "status" column which is set to 0 for healthy and 1 for PD.

Expected submission:

Submission file must be containing only name column and predicted output(1 or 0).

Dataset

[https://www.kaggle.com/vikasukani/parkinsons-disease-data-set?
select=parkinsons.data](https://www.kaggle.com/vikasukani/parkinsons-disease-data-set?select=parkinsons.data)

Task 3:

Speech emotion recognition

Task details:

Speech is the most natural way of expressing ourselves as humans. It is only natural then to extend this communication medium to computer applications. We define speech emotion recognition (SER) systems as a collection of methodologies that process and classify speech signals to detect the embedded emotions. SER is not a new field, it has been around for over two decades, and has regained attention thanks to the recent advancements. These novel studies make use of the advances in all fields of computing and technology, making it necessary to have an update on the current methodologies and techniques that make SER possible. We have identified and discussed distinct areas of SER, provided a detailed survey of current literature of each, and also listed the current challenges.

Dataset

<https://www.kaggle.com/dmitrybabko/speech-emotion-recognition-en>

Task 4:

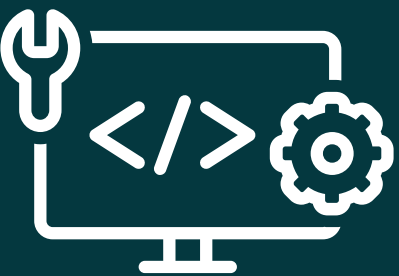
Handwritten digit recognition

Task details

Predict handwritten digits with MNIST image dataset

Dataset

<https://www.kaggle.com/dillsunnyb11/digit-recognizer/tasks>



Android Development Tasks:

Task 1:

Timetable Manager

Android Project Idea: This project is specially developed to help people manage their routines properly. This will let users make a timely routine of each day so they can follow it. This will be more useful for the students or the college-going youth.

This system uses Android Studio for its front end development and functioning. This app doesn't need a backend as this type of applications use the data from the phone itself and projects that to the user. The data will be stored locally in the device using SQLite.

The users would need to register themselves using credentials and then log in to the app. Once done, they will be able to use it and enter their tasks and time table in a timely manner.

Task 2:

Musical Instrument Store System

Android Project Idea: This Music shopping App will allow the users to check for the availability of various Musical Instruments at the store. This app will consist of a list of Musical Instruments displayed model wise and design-wise. Here the user may browse through the available products as per categories. If the user wants a product, he/she can add it to the shopping cart. The items can be viewed and searched based on their names & price in either increasing or decreasing order. This App will have an amazing floating cart. This cart will be available on each page, and will pop up showing the items that are in the cart. The Front End of the App is developed using Android Studio. SQLite will serve as a backend to store lists of musical instruments and inventory data. The products are added and managed by the Admin, The Admin part will be using Asp.Net with C#. Users must first register themselves into the system, and then they can proceed to check out the products. The User will have 3 kinds of payment methods that are- Debit, Credit card or Cash on Delivery. The Users can check their order history or the status of their current order in my orders column. Admin will be responsible for changing the status of the users' orders.

Task 3:

Tuition notes of the student app

Android Project Idea: This project is based on the tracking of students who go to tuitions. This app will have three modules that are the student, the tutor, and the parents. This app will contain all the details of the student, like when they had gone for classes and when they didn't. Also, the tutors will give them remarks on a daily basis.

This application needs to be built using Android Studio. And the supported languages are Java and Kotlin. The interface can be designed using JSON or XML.

The tutor will make the account of the student and their parents and will handle the things. All the users are then supposed to login using the credentials. This app will make sure that the parents are also keeping track of their children. Along with that, they can also be in constant touch with the tutors.

Task 4:

Online examination

Android Project Idea: This is the best android project idea for engineering students. These days technology is taking things to the next level. Similarly, using this application the examinations of students can be conducted online. When we consider taking exams offline, there are various difficulties, and it is also tedious and time taking. Therefore we can take examinations online in a hassle freeway.

The requirements for this application are Android Studio, Java, and XML along with the proper system configuration to enable better app development. Also, another thing would be Android Emulator to check the functioning of the application developed.

There are two modules in this project that are:

Candidate Module – The one that will appear for the test. This will be able to create or delete the account. Change the password and give exams.

Admin Module – The one that will schedule the examination and also the notices regarding the same. They can also view all the students and add or remove any accounts when required.

Task 5:

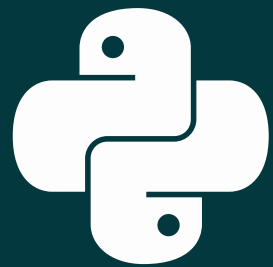
Hostel Management

Android Project Ideas: This system will help the Hostel Managers to keep track of the staff as well as the students. They will all have their accounts along with their daily entries. This app will help in managing the data and students in a better way with a proper record of their In and Out timing.

The requirements for this project are Android Studio, Android Emulator for development, and running. Then, Java and XML for application functioning and User interface.

The modules would be

1. Admin – The admin controls the overall details and the number of accounts. The admin can view all the accounts.
2. Students – They can login and check their own details. Students need to mention the in time and the out time.
3. Staff – Staff would need to enter their details, and the admin will check it.



Python Projects Tasks:

Task 1 Simple game of tic-tac-toe &
Typing speed test

Task 2 YouTube downloader &
Password Manager

Task 3 Basic chatbot &
Website blocker in python



Campus Ambassador Tasks:

TASK 1: Recruitment Article and Posts

- Different and effective ways of recruiting
- How to get referrals from people on LinkedIn (Please list the steps).
- Write an article with your steps and plan for recruitment using Social Media on Medium.
- Design a few posts to summarize your plan, and share your posts to see response of users.
- Create a slideshow (nice looking) with your posts and upload your slides on slideshare or any other public slide sharing website.
- After a few days, see how was the response to your call for recruiting, and create an explanatory video to showcase your effort. You could use voice over or typed text to explain your effort.

TASK 2: Job Readiness Article and Posts

- Read online about various things needed for getting hired.
- Read about how to create nice resume, what to include and what not to include.
- Write an article and 5 small posts consisting of your understanding and knowledge of how to be job ready.
- Publish your articles on Medium and share the posts on LinkedIn, along with the link of longer medium article.
- Upload your posts in the slide format to slideshare.
- Create a video to show the responses you have received for your posts on Job Readiness and to show how many people have benefitted from your articles/posts.

TASK 3: Expanding TIA Reach

- Help expand TIA by introducing TIA to other entities such as college, training placement cells and other students.
- Find contact person and email of 5 to 10 college placement cells and write emails to introduce TIA to them.
- Find other sources from where your friends can be reached, or other people in your network who would be looking for similar internships.
- Refer all such students and your contacts to TIA.
- Create a post by tagging all such people who would be interested and tag The Intern Academy(company) also in the same post.
- Create a video of your effort to show who you have contacted and what was the response.



Design Tasks:

TASK-1) Make 26 designs presenting the background or speciality of cities name starting with that alphabet letters A to Z . Keep the size of the design as instagram post size .

TASK-2) Make 20 designs presenting the background and traditional foods of 20 famous different traditional hotels of india .

TASK-3) Make 10 designs of social media app assuming if the social media app was a person. Think on your own with your creative ideas to implement the design

TASK-4) Design 20 creative visiting cards (number of words must be less than 30) think some creative ideas of implementing it and make the best designs by your knowledge

TASK-5) Design 10 different theme based restaurants menu by implementing your own creative ideas. Theme should be selected by your own choice .

Points to note

- LinkedIn Profile improvement (MANDATORY for all) update your LinkedIn profile mentioning that you are working as an intern in The Intern Academy via updating your experience section and bio.
- A video/post of your task must be uploaded on LinkedIn with your desired GitHub repository link(for tech students) and post for non-tech students.
- For the successful evaluation atleast one task of your domain must be submitted before the deadline.
- Last date to submit your task in LinkedIn and in submission form is 30th Day of current working month.
- You can take reference from youtube or other web sources but do not copy paste the complete code/idea as similarities in your work might lead to cancellation of your Internship Completion Certificate.



GOOD LUCK FOR YOUR TASKS !