



**CODING SAMURAI**  
CODING YOUR ASCENT: LEARN, CODE, UPSKILL

## ABOUT THE COMPANY

---

At Coding Samurai, we strongly believe that practical knowledge is really important for doing well in the tech industry. Our main goal is to help students who might be missing some basic skills. We do this by giving them chances to learn in a hands-on way, where they work on real projects and see how things work in the real world. we know how valuable it is for future tech experts to actually try things themselves. That's why our internship program lets students learn by doing real projects. They get to work with experienced mentors who guide them along the way. Our team is made up of experts who have a lot of experience in the industry. They really care about helping interns learn and get better at what they do. We create a friendly and welcoming environment where everyone can learn, grow, and come up with new ideas

---

# INSTRUCTIONS

---

1-Update your LinkedIn profiles.

2-For the **PYTHON DEVELOPMENT** internship, you will need to complete at least 1 tasks for successful completion of the internship.

3-Upload it on your GITHUB and name it as **CODING SAMURAI INTERNSHIP TASK** for all the tasks and share the link of the profile in the task submission form(it will be given later through email).

4-You can refer to online resources such as Google Search and read tutorials. Watch videos(For Help).

---

# SUBMISSIONS

---

1-A TASK SUBMISSION FORM will be shared later through email . Till then please continue your task.

2-A video need to be created to showcase your work, a demo of your effort.

3-For the **PYTHON DEVELOPMENT** internship, you will need to complete at least 1 tasks for successful completion of the internship.

4-The video can be hosted on LinkedIn for proof of your work and to build credibility among your peers. You can tag **CODING SAMURAI** in such posts. 5- Please add #codingsamurai in each of your task video postings on LinkedIn,

Additionally, you can also add hashtags such as #internship #Appdevelopment. For more visibility.

6-Best Interns will be given **LOR** and a chance to win stipend.

---

# PYTHON DEVELOPMENT

---

## PYTHON DEVELOPMENT INTERNSHIP (TASK 1)

---

### **Project Title: To-Do List Application**

**Project Description:** Create a simple command-line to-do list application in Python that allows users to manage their tasks. This project will help you practice working with data structures, user input, and basic file handling.

### **Key Features you can include:**

**Add tasks:** Users should be able to add tasks to their to-do list with a title and a description.

**List tasks:** Users can view their existing tasks with details like title, description, and a unique task ID.

**Mark tasks as complete:** Users can mark tasks as complete or uncompleted.

**Delete tasks:** Users can remove tasks from their to-do list.

**Save tasks:** Implement file handling to save tasks to a text file, so users can retrieve them even after closing the program.

**Load tasks:** Allow users to load their saved tasks from the text file when they start the program.

**User-friendly interface:** Create a simple and intuitive command-line interface that guides users through the available actions.

## PYTHON DEVELOPMENT INTERNSHIP (TASK 2)

---

### **Project Title: Weather Forecast Application**

**Project Description:** Create a simple command-line weather forecast application in Python that provides users with current weather information for a specified location. This project will involve making API requests, parsing JSON data, and displaying the information to the user.

### **Key Features you can include:**

**Location input:** Allow users to enter a city or location for which they want to get the weather forecast.

**API Integration:** Use a weather API (e.g., OpenWeatherMap) to fetch current weather data for the specified location.

**Display weather data:** Present the weather information to the user, including temperature, humidity, wind speed, and weather conditions (e.g., sunny, cloudy, rainy).

**Unit conversion:** Provide options for users to choose between Celsius and Fahrenheit for temperature units.

**Error handling:** Handle cases where the user enters an invalid location or the API request fails gracefully.

# PYTHON DEVELOPMENT INTERNSHIP (TASK 3)

---

## **Project Title: Expense Tracker**

**Project Description:** Create a simple command-line expense tracker application in Python that allows users to manage their expenses, keep track of spending categories, and generate basic financial reports. This project will involve working with data structures and file handling.

### **Key Features you can include :**

**Add expenses:** Allow users to input expenses, including the expense amount, category (e.g., groceries, transportation, entertainment), and a brief description.

**List expenses:** Display a list of all recorded expenses with details like date, amount, category, and description.

**Expense categories:** Implement expense categories to help users organize their spending.

**Calculate total expenses:** Calculate and display the total expenses for a specified time frame (e.g., daily, weekly, monthly).

**Monthly reports:** Generate and display a monthly report that summarizes expenses by category.

**Save data:** Store expense data in a text file, allowing users to retrieve their financial history even after closing the program.

**Load data:** Enable users to load their saved expense data from the text file when they start the program.

**Remember tools are just a means to reach the desired results, it's all about the process, so feel free to use any technology or tool you are comfortable with.**

**It's up to you whether you Brainstorm, use your existing knowledge , Google it or can take Reference from youtube and follow step by step. The main goal of these task is to make you learn and gain hands on experience. Results of individual may vary and its absolutely fine. You can use your creativity**

## **ASK FOR HELP!**

---

1-THE PURPOSE OF THIS INTERNSHIP IS TO LEARN AND GROW

2-We have no desire to dictate to you. It is entirely up to you whether you seek guidance or not.

3-The given tasks may seem very easy or very difficult. We expect you to approach the tasks with professional diligence and give them the attention they deserve.

# CONNECT WITH US

---

LINKEDIN-[Click Here](#)

MAIL- <mailto:codingsamuraisensei@gmail.com>

TELEGRAM- [Click Here](#)

---