

Tasks List

Internship Tasks and Completion Requirements

Minimum Requirements to Be Eligible for an Internship Completion Certificate:

1. LinkedIn Profile Improvement (Mandatory Task):

- a. Improve your professional profile on LinkedIn. It is **MANDATORY FOR ALL**.

2. Complete at Least One Task from Your Internship Domain:

- a. You must complete at least one of the following tasks specific to your internship function.
- b. You are encouraged to complete additional tasks for further learning and to enhance your chances of receiving a Letter of Recommendation (LoR).

Note:

- Completing more tasks increases your learning experience and improves your chances of receiving a Letter of Recommendation (LoR).
- Be sure to document your work and provide links or evidence of your completed tasks when submitting them.

Task-1

LinkedIn Profile Improvement (Mandatory Task)

1. Complete Your LinkedIn Profile:

- **Description:** Fully update your LinkedIn profile to reflect all details from your resume, including your objective, education, projects, experience, skills, certifications, and volunteer experience.
- **Why:** A comprehensive and well-structured LinkedIn profile enhances your professional presence and increases your chances of networking and job opportunities.
- **Tasks:**
 - **Objective:** Write a clear and concise professional summary that highlights your career goals and aspirations.
 - **Education:** Add all relevant educational details, including degrees, institutions, and years attended.
 - **Projects:** Describe your key projects, including the problem statement, your role, and the outcomes.
 - **Experience:** List all relevant work and internship experiences with detailed descriptions of your responsibilities and achievements.
 - **Skills:** Add relevant skills and seek endorsements from your connections.
 - **Certifications:** Include any certifications you have obtained.
 - **Volunteer Experience:** Highlight any volunteer work or community service.

2. Expand Your Network:

- **Description:** Connect with a diverse range of professionals, including professors, friends, seniors, industry leaders, and colleagues.
- **Why:** A strong network can provide valuable connections, job leads, and professional support.
- **Tasks:**
 - **Send Connection Requests:** Reach out to your professors, friends, seniors, and industry leaders with personalized connection requests.

- **Explore Existing Connections:** Review the connections of your current network and add professionals with reputable profiles.
- **Follow Relevant Influencers and Companies:** Follow industry leaders, companies, and organizations relevant to your field to stay updated on trends and opportunities.
- **Engage with Your Network:** Like, comment, and share relevant posts to stay active and visible in your network.

3. Join and Connect with CodeSpaze Community:

- **Description:** Connect with CodeSpaze and its members to become an active part of the community.
- **Why:** Being connected with your internship community can provide additional support, opportunities, and a sense of belonging.
- **Tasks:**
 - **Connect with CodeSpaze:** Follow the CodeSpaze company page on LinkedIn.
 - **Connect with Members:** Send connection requests to all existing members of CodeSpaze.
 - **Engage with CodeSpaze Content:** Like, comment, and share CodeSpaze posts to increase your visibility within the community.
 - **Join Relevant Groups:** Join LinkedIn groups related to CodeSpaze and your field of interest to participate in discussions and network with like-minded professionals.

4. Optimize Your Profile for Job Searches:

- **Description:** Ensure your profile is optimized for recruiters and job searches.
- **Why:** An optimized profile can increase your visibility to recruiters and improve your chances of landing job opportunities.
- **Tasks:**
 - **Profile Photo:** Use a professional profile photo.
 - **Headline:** Craft a compelling headline that includes keywords relevant to your career.
 - **About Section:** Write a detailed 'About' section that highlights your skills, experience, and career goals.

- **Featured Section:** Add links to your portfolio, projects, articles, or any other work that showcases your expertise.
- **Recommendations:** Request recommendations from professors, colleagues, or supervisors to add credibility to your profile.
- **Custom URL:** Customize your LinkedIn profile URL to make it more professional and easier to share.

By completing these tasks, you will enhance your LinkedIn profile, expand your professional network, and increase your visibility to potential employers and industry professionals.

Task-2

Domain Specific Task:

Data Science Intern

1. Customer Segmentation Analysis:

- **Description:** Use clustering algorithms to segment customers based on their purchasing behaviour. This helps in understanding the different types of customers and tailoring marketing strategies to meet their needs.
- **Why:** Understanding customer segments allows businesses to target specific groups with personalized marketing, leading to higher satisfaction and retention.

○ **Tasks:**

- Collect and preprocess customer data.
- Example datasets [Click Here](#)
- Apply clustering algorithms (e.g., K-means, hierarchical clustering).
- Analyse and interpret the clusters.
- Present findings with visualizations.
- Task submission:
 1. Host the code on GitHub Repository (public). Record the code and output in a video. Post the video on YouTube.
 2. Share links of code (GitHub) and video (YouTube) as a post on YOUR LinkedIn profile.
 3. Submit the LinkedIn link in Task Submission Form when shared.

2. Sales Prediction Model:

- **Description:** Develop a regression model to predict future sales based on historical data. This helps in forecasting and planning for inventory, marketing, and budgeting.
- **Why:** Accurate sales predictions enable better decision-making and resource allocation.

○ **Tasks:**

- Gather historical sales data.

- Preprocess data (handling missing values, encoding categorical variables).
- Example datasets [Click Here](#)
- Train regression models (e.g., linear regression, random forest).
- Evaluate model performance and make predictions.
- Task submission:
 1. Host the code on GitHub Repository (public). Record the code and output in a video. Post the video on YouTube.
 2. Share links of code (GitHub) and video (YouTube) as a post on YOUR LinkedIn profile.
 3. Submit the LinkedIn link in Task Submission Form when shared.

3. Sentiment Analysis of Product Reviews:

- **Description:** Analyse customer reviews to determine sentiment using natural language processing (NLP) techniques. This helps in understanding customer opinions and improving product features.
- **Why:** Sentiment analysis provides insights into customer satisfaction and areas needing improvement.
- **Tasks:**
 - Collect product review data.
 - Example datasets [Click Here](#)
 - Preprocess text data (tokenization, stop word removal).
 - Apply NLP techniques (e.g., sentiment analysis using NLTK or spaCy).
 - Visualize and interpret results.
 - Task submission:
 1. Host the code on GitHub Repository (public). Record the code and output in a video. Post the video on YouTube.
 2. Share links of code (GitHub) and video (YouTube) as a post on YOUR LinkedIn profile.
 3. Submit the LinkedIn link in Task Submission Form when shared.

4. Fraud Detection System:

- **Description:** Create a classification model to detect fraudulent transactions. This helps in identifying and preventing fraudulent activities.
- **Why:** Detecting fraud early can save significant financial losses and protect customer trust.
- **Tasks:**
 - Gather transaction data.
 - Example datasets [Click Here](#)
 - Preprocess data (feature engineering, handling imbalanced data).
 - Train classification models (e.g., logistic regression, decision trees).
 - Evaluate model performance and implement in a real-time system.
 - Task submission:
 1. Host the code on GitHub Repository (public). Record the code and output in a video. Post the video on YouTube.
 2. Share links of code (GitHub) and video (YouTube) as a post on YOUR LinkedIn profile.
 3. Submit the LinkedIn link in Task Submission Form when shared.

5. Recommendation System:

- **Description:** Build a recommendation system for products or content based on user behaviour and preferences. This enhances user experience by suggesting relevant items.
- **Why:** Recommendation systems increase user engagement and sales by providing personalized recommendations.
- **Tasks:**
 - Collect user interaction data.
 - Example datasets [Click Here](#)
 - Preprocess data (normalization, handling missing values).
 - Apply recommendation algorithms (collaborative filtering, content-based filtering).
 - Evaluate recommendations and improve the model.
 - Task submission:

1. Host the code on GitHub Repository (public). Record the code and output in a video. Post the video on YouTube.
2. Share links of code (GitHub) and video (YouTube) as a post on YOUR LinkedIn profile.
3. Submit the LinkedIn link in Task Submission Form when shared.

Asks us for help!

- The purpose of the internship is to learn.
- Please ask for help as much as you need.
- We don't want to dictate you. So, it is up to you to seek guidance.
- The tasks given may seem very easy or very difficult. We expect that you give professional due regard to the tasks.

Join Us! We are excited to have you on board and look forward to your contributions. If you need any help or have questions, please don't hesitate to ask. Connect with us and follow our updates on:

- **CodeSpaze Website:** www.codespaze.com
- **LinkedIn:** [CodeSpaze LinkedIn](#)
- **Instagram:** [@codespaze](#)
- **Facebook:** [CodeSpaze Facebook](#)
- **Telegram:** Stay updated and engage with fellow interns by joining our Telegram channel [Join Now](#)

We're here to support your journey and make this internship a valuable learning experience!