



The central graphic consists of a large circle divided into two main sections: a blue left half and a pink right half. In the center of the circle is a large, three-dimensional blue 'S' logo. Below the 'S', the text 'SYNTECXHUB' is displayed in a bold, blue, sans-serif font. Underneath that, the words 'CREATE | THINK | SOLVE' are written in a smaller, lighter blue font.

**SYNTECXHUB**  
CREATE | THINK | SOLVE

# Internship Program



# Company Background

Syntechhub is a forward-thinking company that bridges learning with practical experience. We provide internship projects across exciting fields like **Web Development, UI/UX Design, Frontend & Backend Development, Data Science**, and more, helping students gain real-world skills.

Our internships offer mentorship, hands-on tasks, and exposure to live projects, enabling students to enhance their knowledge, build confidence, and prepare for successful careers.





# CYBER Security



# Instructions

- Share your internship status on **LinkedIn** and mention **@Syntechhub**.
- Upload your **entire source code** to **GitHub**, creating a repository named: **Syntechhub\_Project\_Name**.
- You will receive **weekly tasks** that must be completed and submitted via the **Submission Form** within the given time.
- **you are required to complete at least one project.** Completing **multiple projects** is optional but **highly encouraged**, as it **demonstrates initiative and a deeper interest in learning**.



# Project - 1

## Port Scanner

- Build a TCP port scanner that checks open ports on a host.
- Learn socket programming basics and concurrency (threads).
- Add options for scanning a single host or a range of ports.
- Print and log results (open/closed/timeouts) and handle exceptions.

 Example : [Link 1](#), [Link 2](#)



# Project - 2

## Password Manager

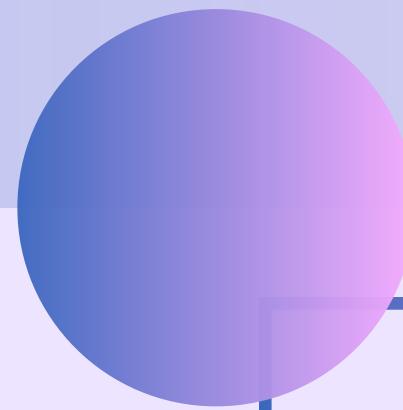
- Build a local password manager that stores credentials encrypted on disk.
- Use strong symmetric encryption (e.g., AES) and secure key handling.
- Implement add, retrieve, delete, and search password entries.
- Include a master password + secure local storage format (e.g., encrypted JSON).



Example : [Link 1](#), [Link 2](#)



# Submission Details

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- Each task consists of **three projects**. Every intern is **required to complete and submit at least one project** from each task.
  - Completing all assigned weekly tasks is **mandatory** to successfully finish the internship. If an intern fails to complete the required projects, the internship will be considered **incomplete**, and the **certificate will not be issued**.
  - Please ensure that all completed projects are submitted through the official **Submission Form** to confirm your **successful participation in the internship program**.



# Thank You.

*Get In Touch With Us*



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