

Password Strength Checker (Flask)

Overview

The Password Strength Checker is a **full-stack Flask web application** that evaluates the strength of user passwords in real time. It analyzes passwords based on length, character diversity, and security best practices.

Key Features

- Backend built with **Python & Flask**
- Regex-based password analysis
- Strength score displayed as a percentage
- Classification: Weak, Medium, Strong, Very Strong
- Modern UI with popup-based results

Skills Demonstrated

- Input validation & security awareness
- Backend–frontend communication (JSON APIs)
- Secure authentication fundamentals

Use Case

Helps users understand how to create strong and secure passwords, reducing the risk of brute-force and credential-stuffing attacks.