



PRESENTS
**CYBER SAFETY
SERIES**

 Codju Cyber Safety Series · World Password Day

HACK-PROOF YOU

Passwords & Cyber Safety Made Simple —
for students, parents, and teachers.

Speaker- Rohit Bishnoi



Rohit Bishnoi

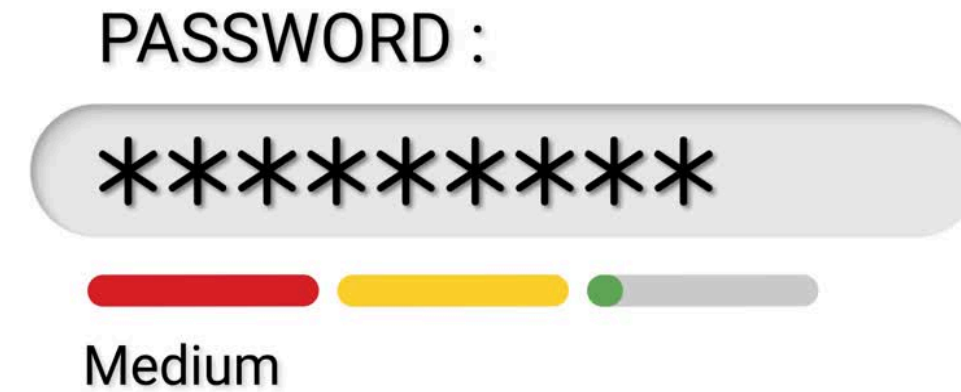
Founder, Codju

IIT Kanpur | IIMK



⚡ Quick Question

Show of hands —
who here uses **the
same password
everywhere**



123456

name123

mobile@123

password

Today, I'll show you how a hacker can crack that in under a second.

Why Strong Passwords Matter

Your digital life = your identity.

One weak password is one open door – and behind it sits everything you care about.



Email

The master key.
Reset any other
account from here.



Banking

Real money. UPI,
net-banking,
wallets.



Social

Reputation, photos,
private chats.



School

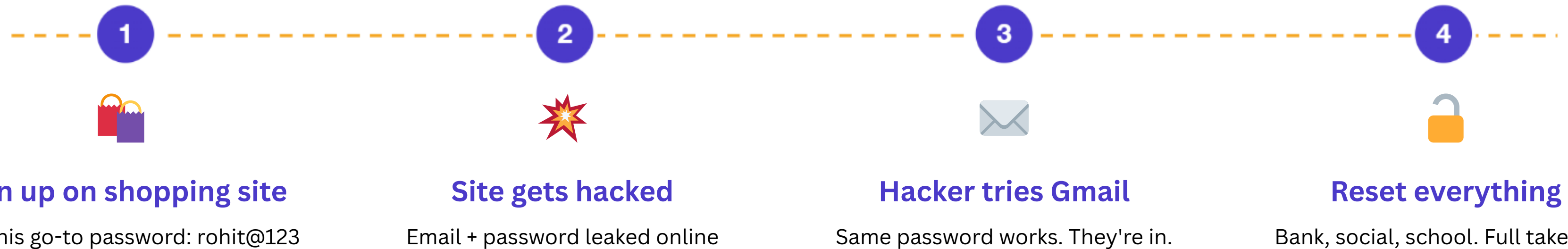
Grades, ID,
attendance, fee
data.

One weak password = full life exposed.

Why Now?

Meet Rohit.

He used one password for everything.



HACKER MOVE

This is called **Credential Stuffing** – try the same password everywhere it might work.

3 methods. All preventable.

1

EASIEST



Guessing

Hacker tries the obvious — your name, DOB, mobile, or "123456".

```
name123  
dob1995  
rohit@123
```

2

AUTOMATED



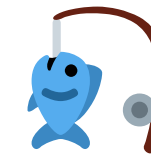
Brute Force

A computer tries millions of combinations per second until one works.

```
aaaa → aaab  
aaac → aaad  
...billions/sec
```

3

MOST COMMON



Phishing

A fake login page (bank, Insta, school) tricks you into typing it yourself.

```
paytrn-secure.in  
instagrm-login.co  
sbi-verify.xyz
```

How Hackers Actually Hack

How fast can **your password** be cracked?

\$ hashcat --benchmark · estimated time on a consumer GPU

PASSWORD	CRACK TIME (VISUAL)	ESTIMATED TIME	VERDICT
123456		< 1 second	INSTANT
rohit123		~3 seconds	INSTANT
Rohit@123		~5 minutes	WEAK
Mango\$Tig3r		~3 years	GOOD
R!7k@9Lp#zQv		Centuries	STRONG

Length × complexity = safety.

Every extra character multiplies the work for the Hacker.

The Simple Analogy

A password is a lock.

Hackers don't hack *you*. They hack **weak locks**.

WEAK PASSWORD



Plastic toy lock

Snaps in seconds. Anyone walking past can open it. Used everywhere = stolen everywhere.

rohit@123

STRONG PASSWORD



Bank vault

Layered, unique, long. Even with a million tries per second, it would take centuries.

MangoTigerSky!River92

Principles of a Strong Password

3 rules. That's it.

1 Most Important

Length matters most.

Aim for **12–16** characters minimum. Each extra character multiplies a hacker's work.



2 Mix It Up

Mix four things.

A-Z Uppercase letters

a-z Lowercase letters

0-9 Numbers

!@# Symbols

3 Avoid Always

Skip personal info.

A hacker can find these in 30 seconds on social media.

- X Your name
- X Date of birth
- X Mobile number
- X Pet / school name

The Simple Analogy

A password is a lock.

Hackers don't hack *you*. They hack **weak locks**.

✗ The old way

Rohit@123

- 9 characters · cracked in minutes
- Contains your name
- Predictable @ + 123 ending
- Already in every hacker's wordlist

✓ The new way

MangoTigerSky!River92

- 21 characters · centuries to crack
- 4 random words = a story you remember
- One symbol + numbers for extra strength
- Not in any wordlist on Earth

Trick: picture the words."A mango, a tiger, the sky, a river."

Your Turn

2 minutes

Build a strong password from a sentence you'll never forget.

Step 1 — Pick a sentence

"I love cricket and play every Sunday."

Step 1 — Pick a sentence

- Take the first letter of each word
- Mix UPPER and lower case
- Swap one letter for a symbol or number
- Add the year at the end

BUILD IT ↓

I love cricket and play every Sunday

→ I l c a p e S

→ I l c a p e S

→ I l c & p e S

→ I l c & p e S @ 2026

FINAL PASSWORD

I l c & p e S @ 2026

13 chars · letters + symbol + numbers · cracks in ~200 years

The Golden Rules

4 habits that save your life online.



✓ A different password for every account

One leak shouldn't open every door. Unique passwords contain the damage.



✓ Never share – not even with friends

Best friends today, awkward later. Once shared, you've lost control.



✓ Turn on 2-Factor Authentication

A second code via SMS or authenticator. Even if password leaks, account stays safe.



✓ Don't casually save in browsers

Anyone with your laptop can read them in 2 clicks. Use a real password manager instead.

😬 The Uncomfortable Truth

Your password may already be on the internet



Big companies get hacked. When they do, millions of email + password combos end up in public databases. This is called a **data breach**.

700M
LinkedIn

533M
Facebook

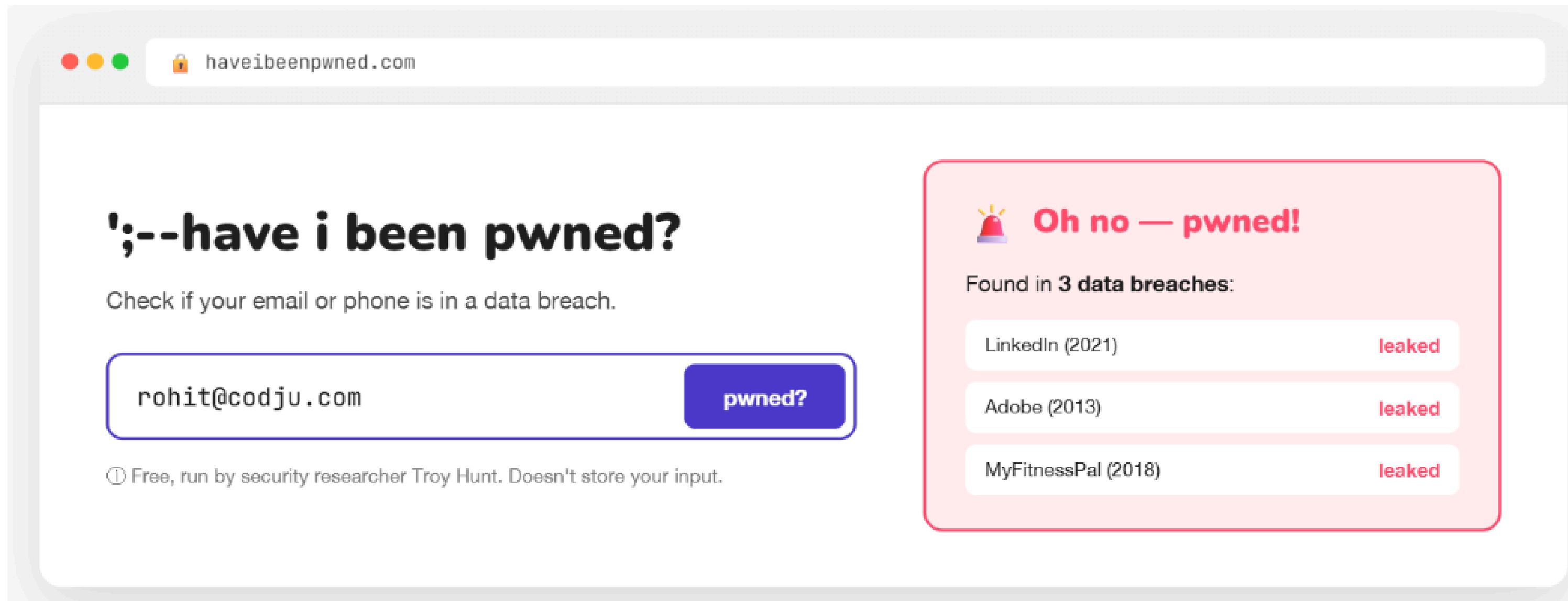
3B
Yahoo

1.1B
Aadhaar

+ thousands more

🔍 Live Demo

Is your password leaked?




haveibeenpwned.com

';--have i been pwned?

Check if your email or phone is in a data breach.

rohit@codju.com **pwned?**

① Free, run by security researcher Troy Hunt. Doesn't store your input.

 **Oh no — pwned!**

Found in **3 data breaches:**

LinkedIn (2021)	leaked
Adobe (2013)	leaked
MyFitnessPal (2018)	leaked

If You're Already Leaked

Don't panic. Act.

A leaked password is fixable in 10 minutes. Here's the exact playbook.



Change it now

Start with email and banking. The most critical accounts.

Within 1 hour



Make it strong

Use the passphrase method from earlier. Long, random, unique.

Same session



Turn on 2FA

Adds a code-via-phone layer. Even if password leaks again, you're safe.

Same day



Stay calm

You caught it. Most damage is preventable. Tell a trusted adult if anything feels off.

Always

The Real Problem

"But I have **50**
accounts.

I can't remember
50 passwords."

You're right. You shouldn't have to. The brain isn't built for this.

gmail: ???

insta: rohit@123

bank: ?????

school: same?

netflix: Rohit#1

paytm: ????

spotify: ???

A password manager.

Remember one master password. It remembers everything else.



Stores everything safely

Hacker tries the obvious – your name, DOB, mobile, or "123456".



Generates strong ones for you

A computer tries millions of combinations per second until one works.



Auto-fills logins

A fake login page (bank, Insta, school) tricks you into typing it yourself.

One master password to rule them all.

Make this one VERY strong. It's the only one you'll ever type.

Free Tools You Can Use Today

Pick one. Set it up tonight.

Google Password Manager

EASIEST START

G

Best if you already use Chrome / Android

Built into Google. Syncs across phone and laptop.
Free.

Bitwarden

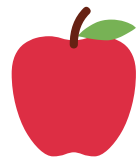


Best for privacy-conscious users

Free forever. Works on every device. Recommended
by security experts.

Apple Keychain

BUILT-IN



Best if you live in Apple's ecosystem

Pre-installed on iPhone, iPad, Mac. Zero setup.

LastPass (free tier)

POPULAR

L

Best for trying password managers

Easy to learn, but free tier limits you to one device
type.

How It Actually Works

Set up in under 5 minutes.

Like a digital locker — you keep one key.

1 30 SEC



Install

Download the app or browser extension. Free in seconds.

2 1 MIN



Set master password

Pick ONE strong passphrase. This is the only one you'll ever remember.

3 ONGOING



Save passwords

Log into a site — it offers to save. Tap yes. Move on.

4 1 SEC / LOGIN



Auto-fill

Next visit: tap the field, manager fills it. Done.

Think of it as a digital locker — you only need one key.

Your Cyber Safety Checklist

The whole talk in 5 lines.



Strong password – at least 12 characters

Length beats complexity. Long is the win.



A different password for every account

One leak shouldn't open every door.



Use a passphrase you can picture

MangoTigerSky!River92 – random words, easy to remember.



Check haveibeenpwned.com regularly

Catch leaks before hackers do.



Use a password manager

One master key, fifty strong passwords. Forever.

THE TRUTH NOBODY TELLS YOU

**Hackers aren't
smarter than you.
They just wait
for weak passwords.**

 Be stronger than the hacker.

 Today's Mission

Three things. Before you sleep tonight.

1 2 min



Change ONE weak password

Pick the worst offender. Replace it with a passphrase.

2 1 min



Check your email leak

haveibeenpwned.com – you'll know in 30 seconds.

3 3 min



Create one new passphrase

Use the recipe from Slide 10. Make it yours.



www.codju.com · Cyber Safety Series · Thank you. 🙌

Thank,
you!