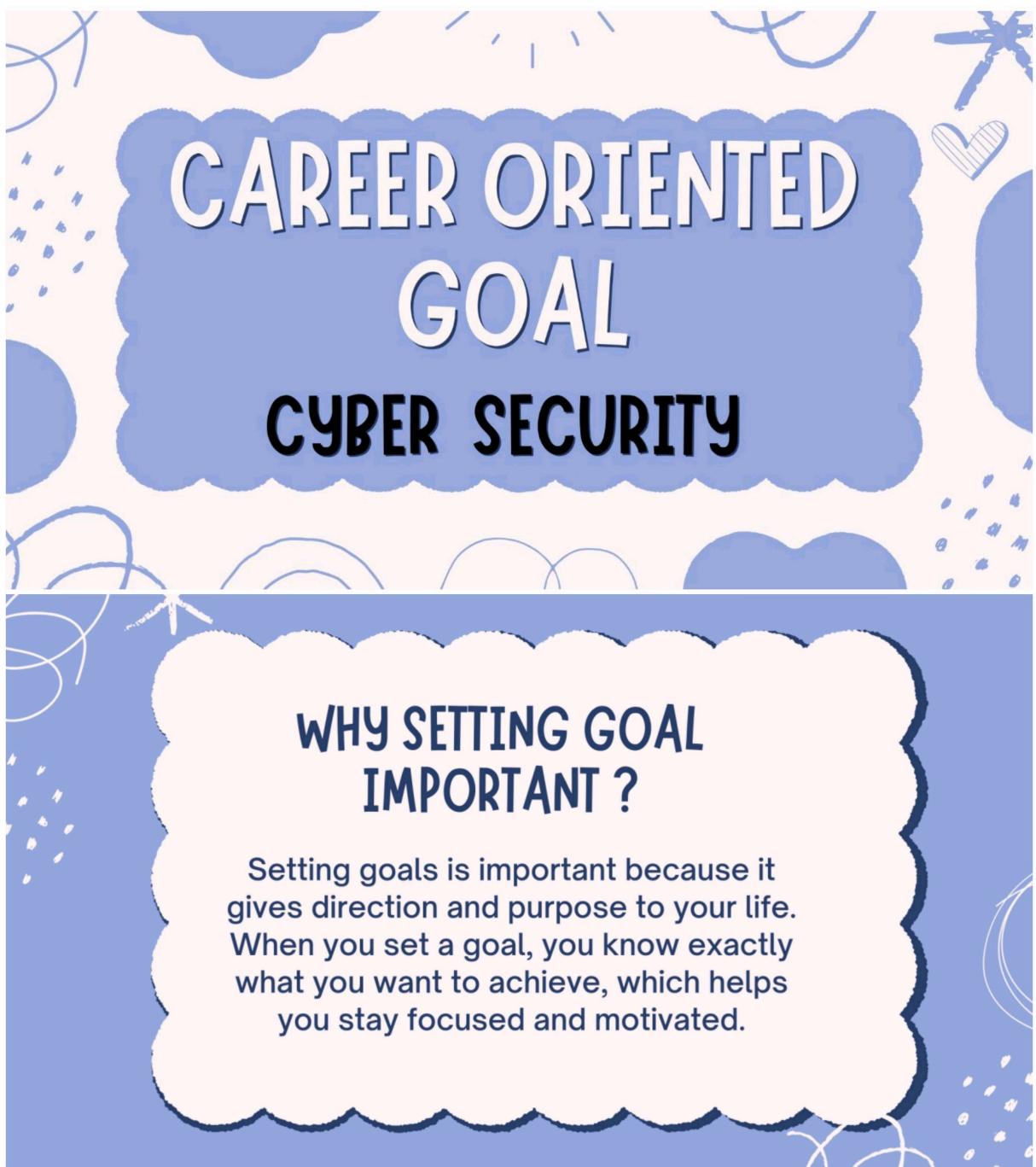


2. Create a Career Oriented Presentation with 7 slides using transitions and animations.



## ABOUT CYBER SECURITY

Setting goals is important because it gives direction and purpose to your life. When you set a goal, you know exactly what you want to achieve, which helps you stay focused and motivated.

## ROAD MAP FOR CYBER SECURITY

01

- Basics of Computers**
- Learn how operating systems work (Windows, Linux)
  - Understand hardware, software, CPU, RAM, storage
  - Basics of files, folders, and system settings

02

- Networking Fundamentals**
- What is a network?
  - Learn about IP addresses, DNS, HTTP/HTTPS
  - Understand TCP/IP, routers, switches, firewalls

03

- Operating Systems**
- Learn Linux commands (important for cyber security)
  - Basic system administration
  - User permissions and processes

04

- Cyber Security Fundamentals**
- Types of attacks: phishing, malware, brute force, DDoS
  - Basics of encryption and hashing
  - CIA Triad: Confidentiality, Integrity, Availability

## ≡ STEPS TO IMPLEMENT ROADMAP: ≡

- LEARN PYTHON BASICS (SYNTAX, LIBRARIES LIKE NUMPY, PANDAS).
  - STUDY KEY MATH TOPICS: LINEAR ALGEBRA, CALCULUS BASICS, PROBABILITY, AND STATISTICS.
  - TAKE COURSES ON ML FUNDAMENTALS (SUPERVISED, UNSUPERVISED LEARNING).
  - PRACTICE ALGORITHMS LIKE REGRESSION, DECISION TREES, K-MEANS CLUSTERING.
  - FIND DATASETS ON PLATFORMS LIKE KAGGLE.
  - CREATE PROJECTS SUCH AS IMAGE CLASSIFIERS, CHATBOTS, OR RECOMMENDATION SYSTEMS.
  - READ AI RESEARCH PAPERS AND BLOGS.
  - JOIN AI COMMUNITIES AND FOLLOW INDUSTRY NEWS.
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### EXAMPLES OF SUCCESSFUL CYBER SECURITY PROGRAMS

- |           |   |
|-----------|---|
| <b>01</b> | National Cyber Security Programme (NCP – India) <ul style="list-style-type: none"><li>• Created to protect India's critical digital infrastructure.</li><li>• Trains cybersecurity professionals and promotes awareness.</li><li>• Helps government and private organizations handle cyber threats.</li></ul> |
| <b>02</b> | Cyber Essentials (UK) <ul style="list-style-type: none"><li>• A government-backed program in the UK.</li><li>• Helps businesses protect themselves from basic cyber attacks.</li><li>• Provides certification to organizations that follow security standards.</li></ul>                                      |
| <b>03</b> | . NIST Cybersecurity Framework (USA) <ul style="list-style-type: none"><li>• A set of best-practice guidelines for improving cybersecurity.</li><li>• Used worldwide by companies and government agencies.</li><li>• Focuses on Identify, Protect, Detect, Respond, Recover.</li></ul>                        |



THANK YOU  
VERY MUCH!

BY DIVYAKUMARI