HOW TO PREPARE FOR TECH INTERVIEWS

ABOUT ME

Sankalp Kotewar

From Nagpur, Maharashtra

SDE 2 at **Microsoft**

Graduated from VNIT, 2018

Bachelor of Technology in

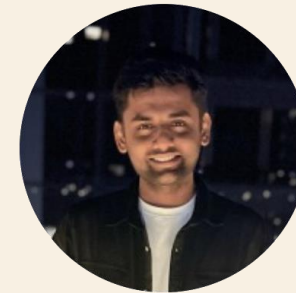Computer Science & Engineering

Previously,

GitHub   **Fidelity** INVESTMENTS

Interests – Art, Music and Gaming

Linked in

Connect with me

Top Software Development Voice

YEAR IN REVIEW 2023

Speaker at GDSC WOW

Judge at Elevate (GHRCE)

Chief Guest for installation of student body of 3 departments (RCOEM)

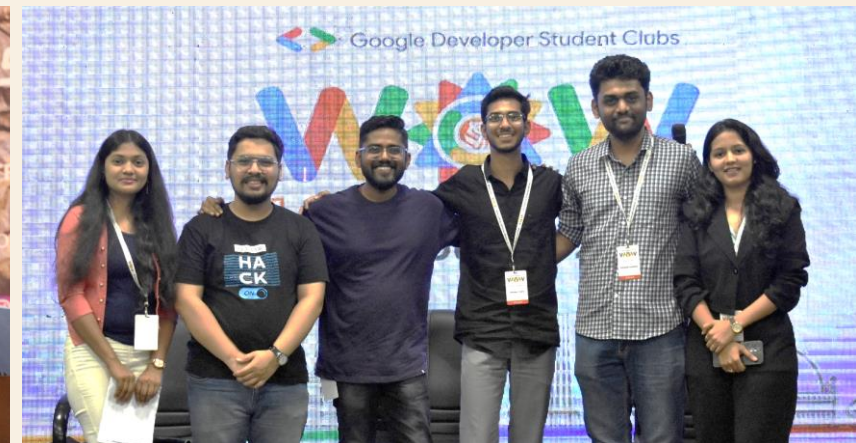Judges, Mentors & Organizers at Elevate (GHRCE)

The entire team of Elevate & Hackathon (GHRCE)

Speaker at Upsurge 2k22 (YCCE)

Panel at GSDC WOW 2023

AGENDA

TOPICS

What topics are important for me to focus on?

RESUME

What should I put in my resume?

ROUNDS

What all rounds to expect during my interview?

KEY POINTS

What things to keep in mind during an interview?

RESOURCES

Free resources from the internet for everyone to prepare.

FAQS , Q&A

Let's tackle some myths and frequently asked questions followed by a Q&A.

TOPICS

IMPORTANT TOPICS

DATA STRUCTURES

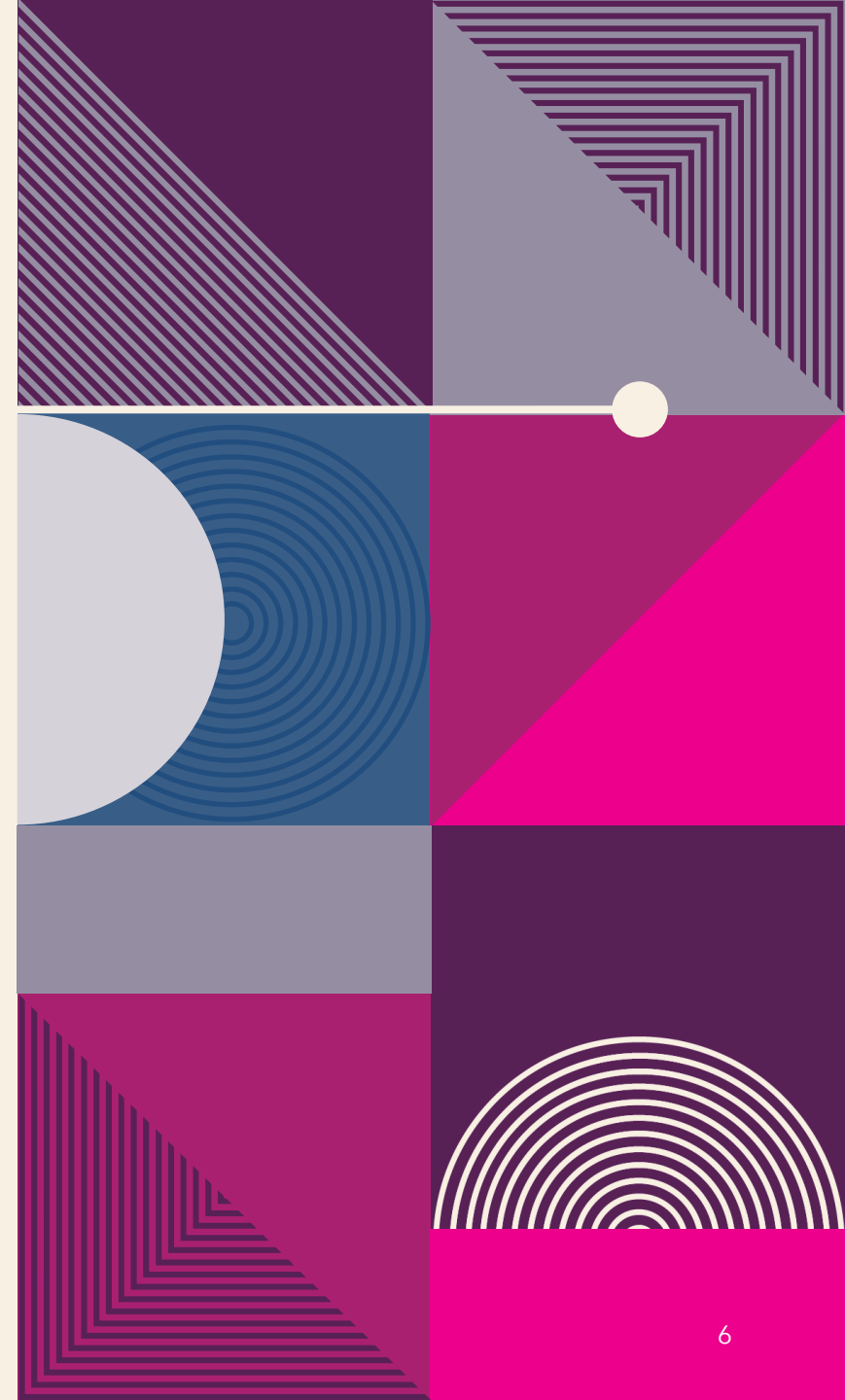Trees, Graphs are important!

ALGORITHMS

Dynamic Programming, Binary Search, Shortest paths matter too

OTHER SUBJECTS

Knowledge of other computer science subjects

APTITUDE

Logical reasoning, mathematics, etc.

DATA STRUCTURES

LEARN

Where?

Classes, YouTube, Google

What?

From Strings till Graphs… Everything

Focus on fundamentals!!!

PRACTICE

Platforms

Hacker rank, Leetcode, GFG

Practice

College/Self Projects

Test

Weekly Contests
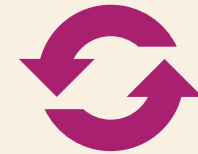
REPEAT

Stay Consistent
The key to your success

Learn -> Practice -> Repeat

ALGORITHMS

EXPLORE

Where?

Classes, YouTube, Google

What?

From Sorting till Travel Salesman

Everything!

Focus on fundamentals!!!

PRACTICE

Platforms

Hacker rank, Leetcode, GFG

Practice

Understand and implement

Test

Come across new algos

REPEAT

Stay Consistent
The key to your success

Learn -> Practice -> Repeat

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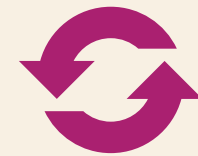
OOPS, OS, NETWORKING, DBMS

EXPLORE

What?

Computer science subjects

Where?

YouTube, GitHub, Google

QUESTIONS ASKED?

What?

MCQs

Face-to-face interviews

Practice from?

Geeks for Geeks

Networking   OOPs   OS   DBMS

APTITUDE (COMPANY DEPENDENT)

Quantitative Aptitude

Percentages	Numbers	Permutation and Combination
Profit and Loss	HCF, LCM	Probability
SI and CI	Logarithms	Ratio and Proportion
Time and Work	Problems on Ages	Allegation and Mixtures
Time, Speed and Distance	Clock	True Discount
Averages	Areas and Volume	Simplifications

RESUME

RESUME

SKILLS

What?

Web development, APIs, languages, frameworks, blockchain, cybersecurity, machine learning, deep learning, DevOps

and the list goes on…

PROJECTS

Create

College/Self Projects

Test

Tackle real life use-cases

Publish
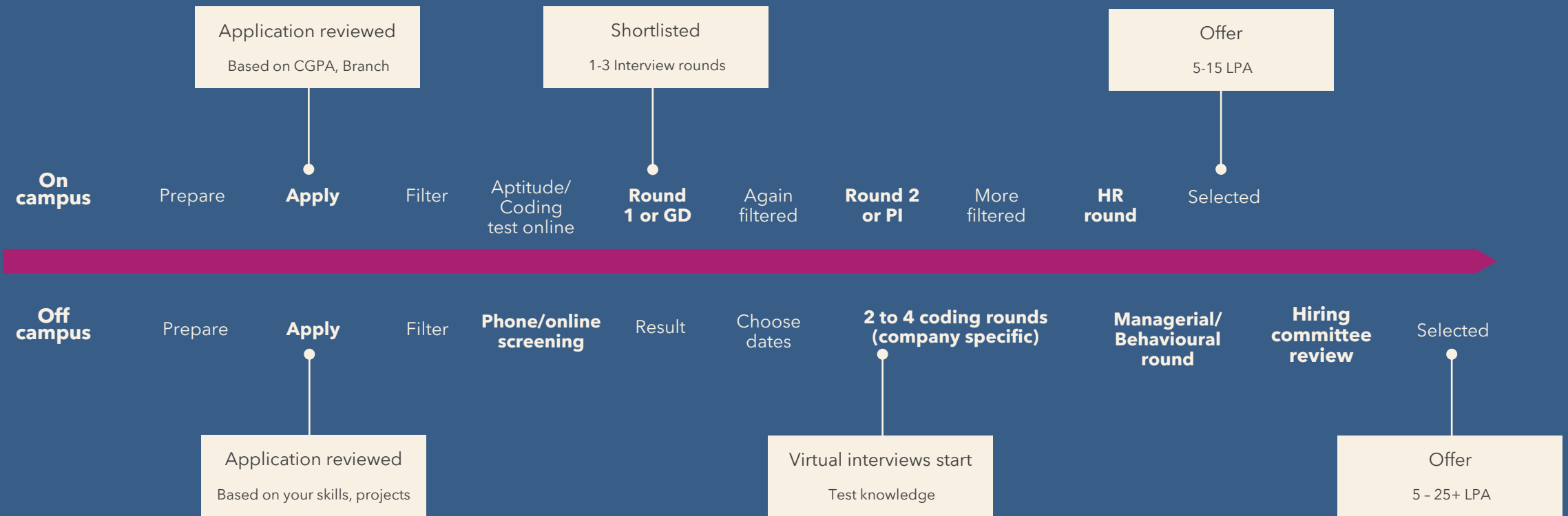
GitHub, Kaggle, LinkedIn

POSITION OF RESPONSIBILITY

Showcase

Leadership skills

Decision making ability

Willingness to learn

ROUNDS

STAGES OF INTERVIEW

	Application reviewed Based on CGPA, Branch			Shortlisted 1-3 Interview rounds				Offer 5-15 LPA

On campus	Prepare	**Apply**	Filter	Aptitude/ Coding test online	**Round 1 or GD**	Again filtered	**Round 2 or PI**	More filtered	**HR round**	Selected

Off campus	Prepare	**Apply**	Filter	**Phone/online screening**	Result	Choose dates	**2 to 4 coding rounds (company specific)**	**Managerial/ Behavioural round**	**Hiring committee review**	Selected

Application reviewed Based on your skills, projects				Virtual interviews start Test knowledge			Offer 5 – 25+ LPA

KEY POINTS

DURING YOUR INTERVIEW

Talk

The way you talk tells a lot about your personality.

Express

Express your thought process, thinking approach.

Communicate

Don't let things be in your mind, speak them out.

RESOURCES

RESOURCES

DSA resources

GeeksforGeeks   HackerRank   YouTube (Abdul Bari)   YouTube (William Fiset)
Competitive Programming Roadmap   Leetcode   Other free resources

Self-projects

GitHub - Tech projects   GitHub - DSA Projects   Kaggle - AI/ML

Improve your skills
Roadmap.sh   FreeCodeCamp   JavaTPoint tutorials   W3Schools

Resume guide

By Google   By Nishant Chahar   NovoResume   ATS checker

Bonus videos - Life lessons when you're in your 20s

Ankur Warikoo   Aman Dhattarwal   GaryVee – short
Ultimate college graduation speech – GaryVee   Motivation to Study

QUESTIONS

FAQS

DOES CGPA MATTER?

Short answer, yes!
Since companies don't know much about you, they sometimes use this criteria to filter out students.

WHEN IS THE BEST TIME TO START?

Yesterday,

A better time? Today!

I DON'T HAVE PROJECTS FOR MY RESUME, WHAT SHOULD I DO?

Spend time during weekends to learn new skills and create self-projects on the same.
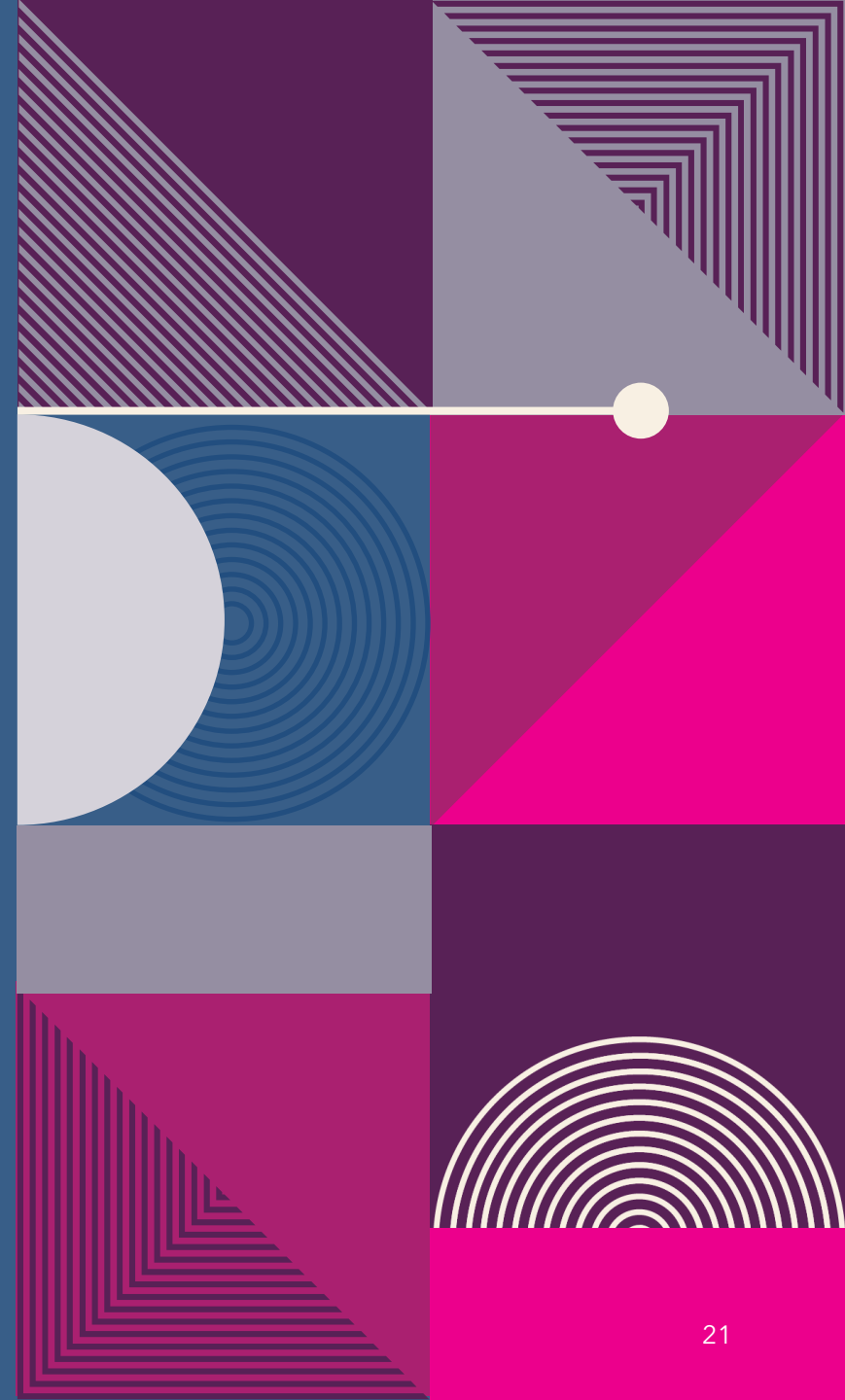
DO INTERNSHIPS MATTER?

Internships not only give you a chance to learn, but the fact that you were selected in the company gives the interviewer higher confidence in you.
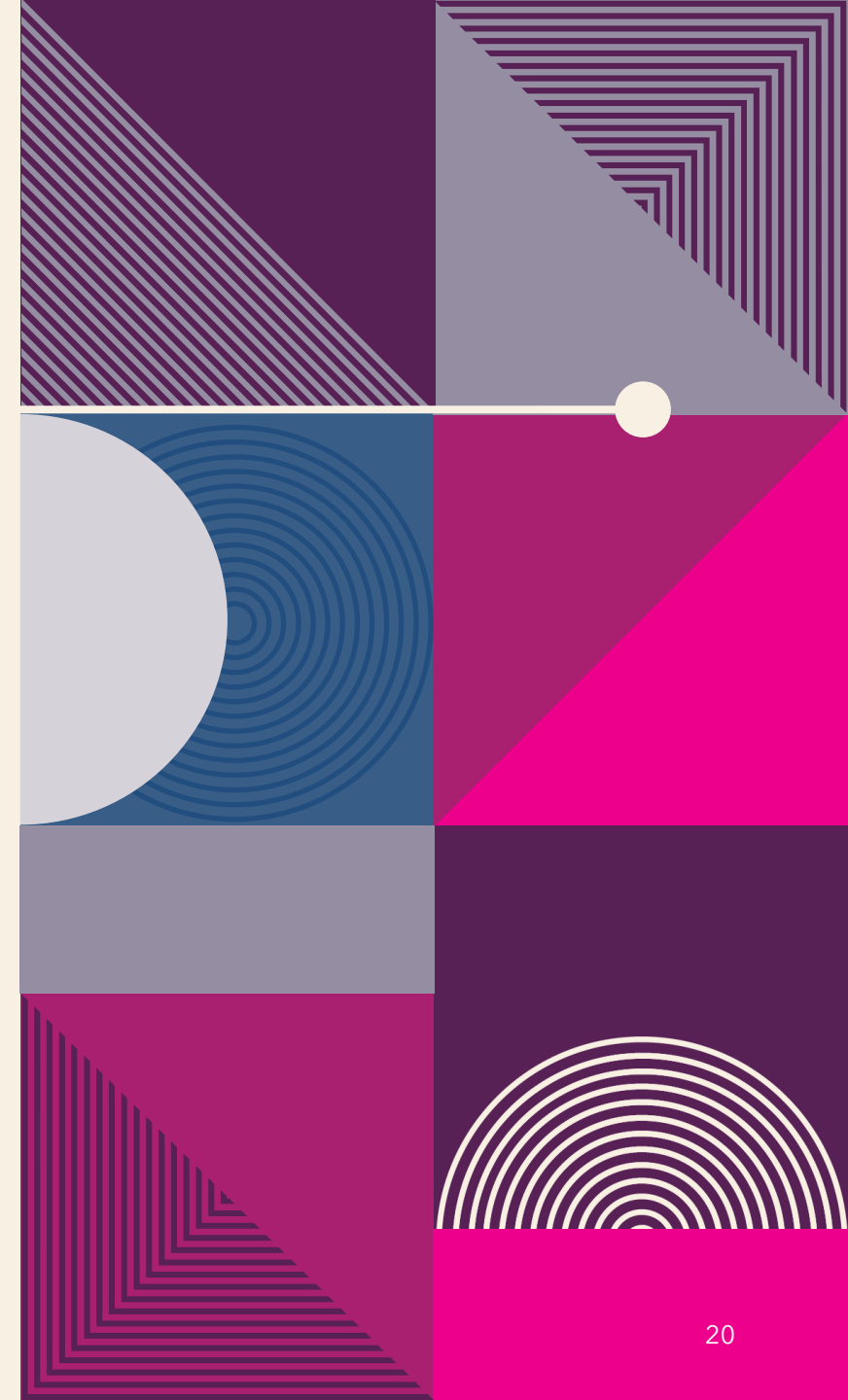
QUESTIONS?

THANK YOU

Sankalp Kotewar

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