

The background features a complex geometric design. On the left, there are several overlapping shapes: a dark purple triangle at the top left, a blue square with concentric circles, a light grey semi-circle, a pink triangle with diagonal lines, a pink square with a corner pattern of lines, a blue square, a grey triangle, and a pink triangle. A white dot is located in the top left corner. The main text is positioned on the right side of the image.

# 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,

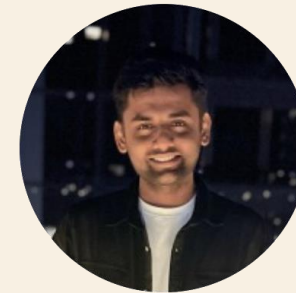


GitHub



Fidelity  
INVESTMENTS

Interests – Art, Music and Gaming



LinkedIn

[Connect with me](#)





# AGENDA

## TOPICS

What topics are important for me to focus on?

## ROUNDS

What all rounds to expect during my interview?

## RESOURCES

Free resources from the internet for everyone to prepare.

## RESUME

What should I put in my resume?

## KEY POINTS

What things to keep in mind during an interview?

## 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

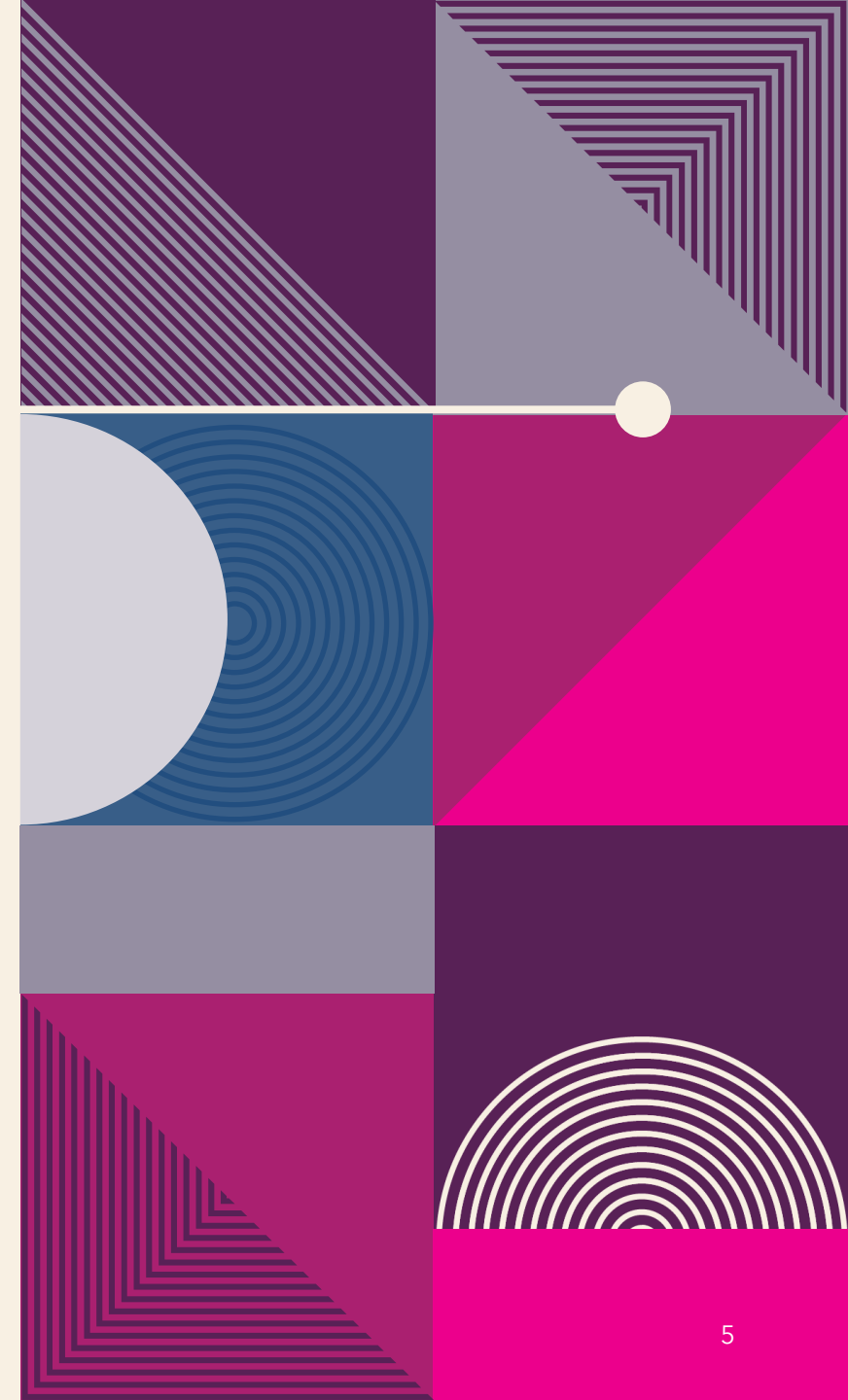
Dynamic Programming, Binary Search, Shortest paths matter too

## OTHER SUBJECTS

Knowledge of other computer science subjects

## APTITUDE

Logical reasoning, mathematics, etc.



# DSA



## LEARN

### Where?

Classes, YouTube, Google

### What?

Data structures – String to graphs

[Patterns of DSA questions](#)



## PRACTICE

### Platforms

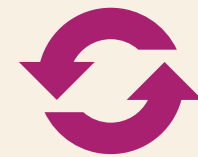
Hacker rank, Leetcode, GFG

### Practice

Self

### Test

Weekly Contests



## REPEAT

### Stay Consistent

The key to your success

**Learn -> Practice ->  
Repeat**

# 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

Profit and Loss

SI and CI

Time and Work

Time, Speed and Distance

Averages

Numbers

HCF, LCM

Logarithms

Problems on Ages

Clock

Areas and Volume

Permutation and Combination

Probability

Ratio and Proportion

Allegation and Mixtures

True Discount

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



# SEQUENCE (PREFERRED)

- Bio - with name, contact (phone and email), DOB, LinkedIn and other links
- Objective
- Qualification (school, college) - (optional to put your CGPA history unless mandated)
- Work experience
  - Internships go here
- Projects
  - Mention the project info, its tech stack and its impact
- Mention skill sets
  - Programming languages
  - Frameworks
  - Web Development
  - App development
  - Software packages, etc.
- Positions of responsibilities (to showcase your leadership ability)
- Coursework (optional)
- Achievements
- Extra-curricular/hobbies (optional)
- Acknowledgement (optional)



# IMPORTANT POINTS

- Create resume as word -> export to PPT - makes it easy for software to scan for keywords.
- Online websites are fine too but make sure the pdf downloaded opens in word.
- Do mention the internship properly
  - Project
  - Tech stack
  - Impact
- Include variety of tech stacks and projects to show that you're a keen techie.
- Do mention the impact your projects you have created



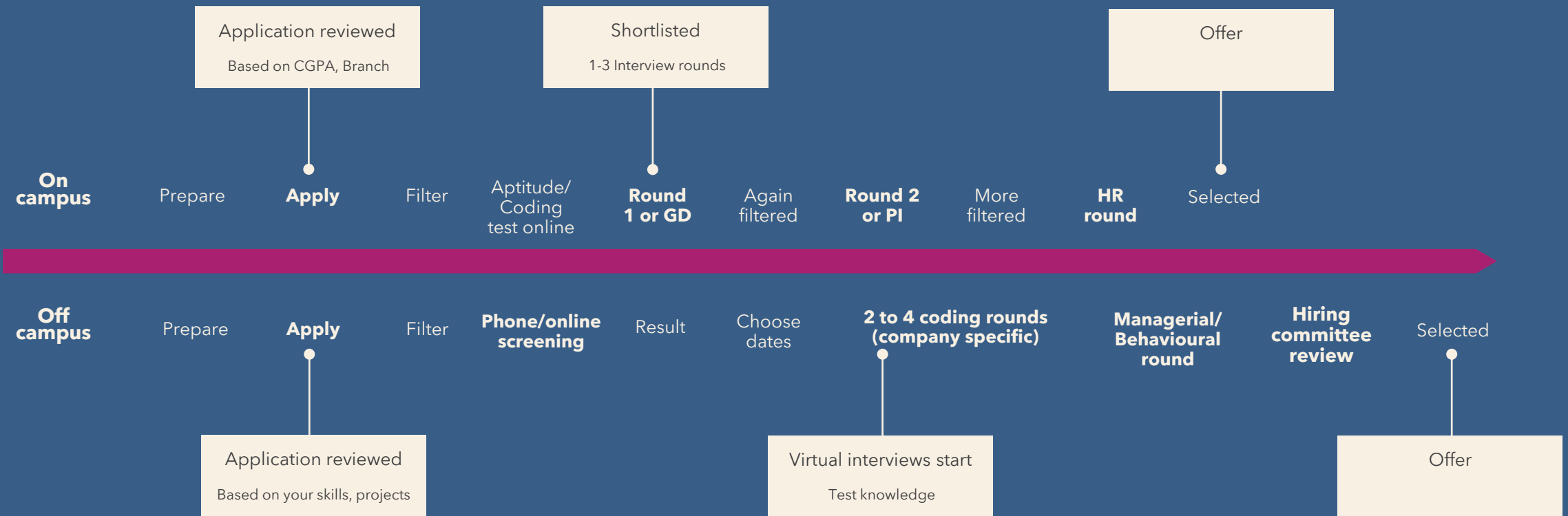
# IMPORTANT POINTS

- Positions of responsibility should define the impact you're creating.
- Achievements are important!
- Links to projects, certificates, etc.
- Highlight your personal portfolio that you might have created using github pages or Netlify.
- Preferred length - not more than 3 pages, 2 is better, in professional life - 1 page is the best!
- Photo is optional, some companies are fine with it, some don't care.



# ROUNDS

# STAGES OF INTERVIEW





# 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](#)

[Patterns of Interview Ques](#)

[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 Dhatarwal](#)

[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.

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

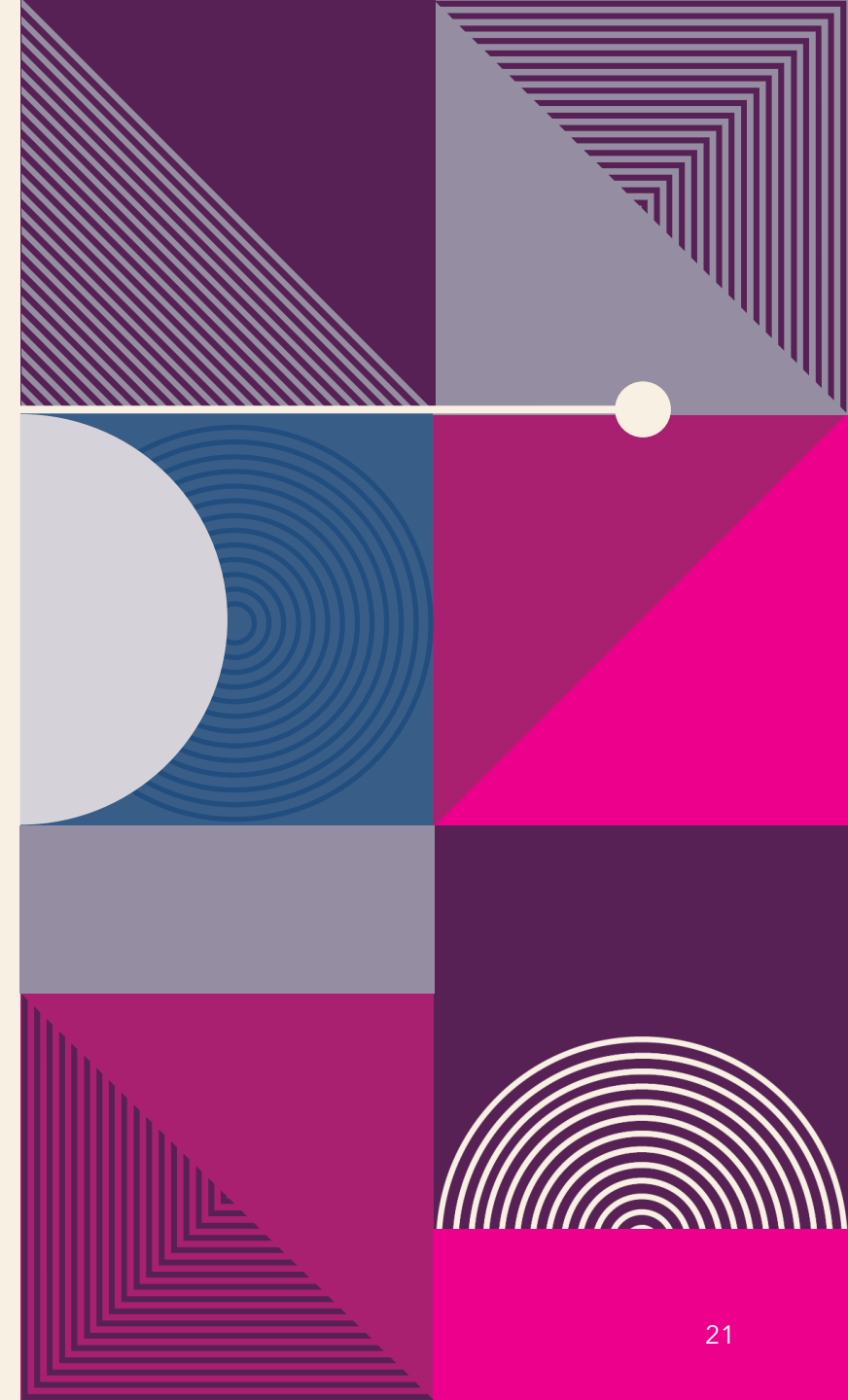
Spend time during weekends to learn new skills and create self-projects on the same.

## WHEN IS THE BEST TIME TO START?

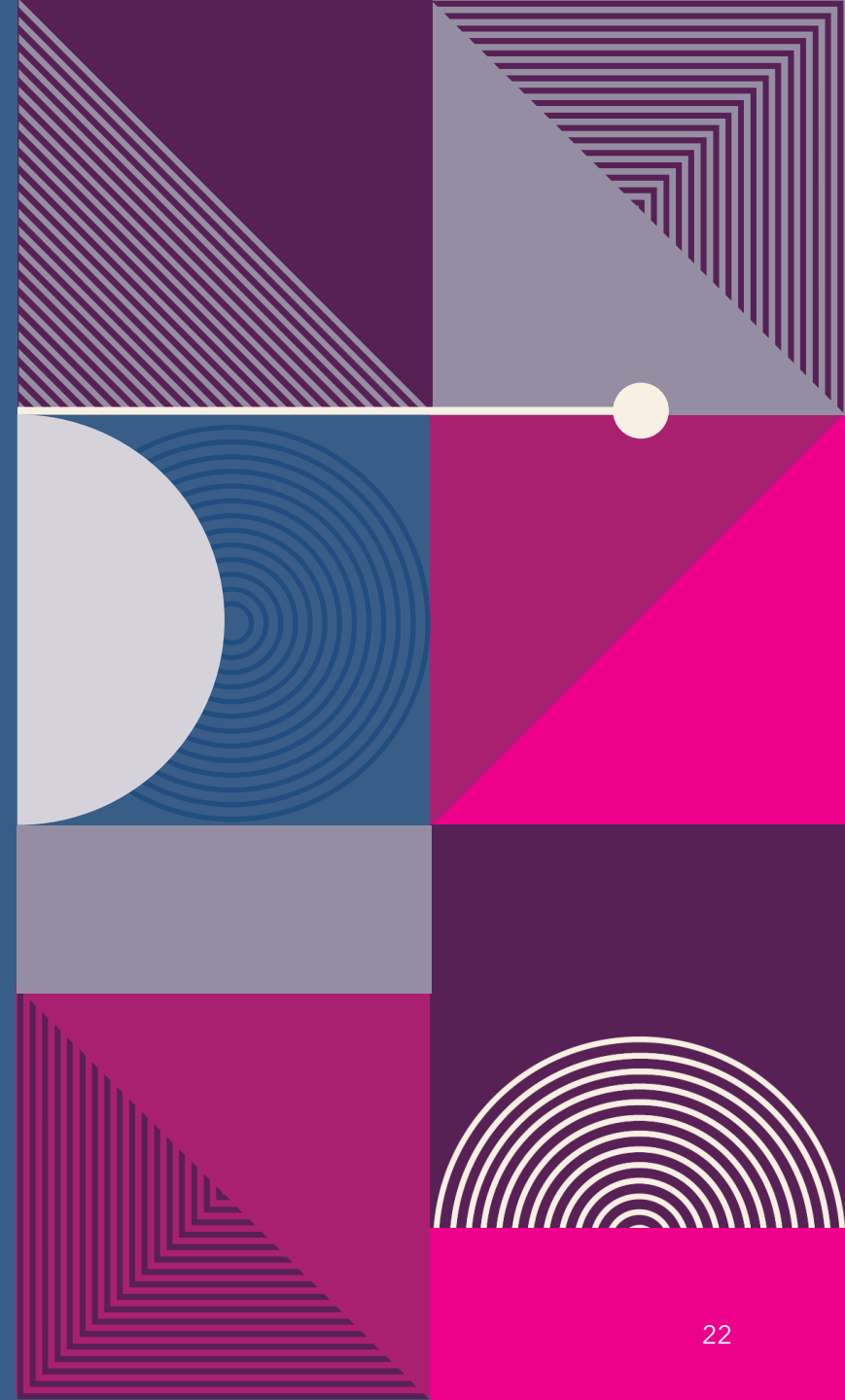
Yesterday,  
A better time? Today!

## 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

**Connect with me:**

<https://linkedin.com/in/sankalpkotewar>

**Download slides from here** 🖱️

