CAREER PE CHARCHA

# BHAVAN PATEL:

* 2019 Pass out from VGEC.
* Firstly joined TCS in June 2019.
* Then in Jan 2021 switched to oracle Gandhinagar.
* Gave interview in Google which lasted for a few months.
* Meanwhile applied for zee scalar and got selected.
* Switched job as got job in Google as application engineer in Nov 2021.

Differences between application engineer and software engineer in Google:

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| Application engineer | Software engineer |
| They work on development of internal tools, Integration of third party API and platforms | They work on open software like g-pay and YouTube |

How did you end up in Google? What kind of preparation is needed to get there?

* For me once as I’ve reached here at Google, I have other goals. You need to know that Google is not a dream job. Other goals emerge as one gets fulfilled.
* In Google the first round was coding round. They asked how much time do we want for it. And we settled for 3 weeks.
* The next round was on system design, system integration , and googleyness and leadership
* I asked for 3 weeks to prepare that and worked more than my JEE or any other entrance test
* Most preparation depends on the role you’re applying for.

What to prepare? How?

* System design is a skill many companies require .
* DSA plays major role in recruitment.
* There are other 4 major subjects that play an important role in recruitment,

1. Operating system.
2. Database management system.
3. Computer networks.
4. Computer organizations and architecture.

Platforms to prepare for interviews

* Before interview go through Geek for Geeks archives of that company.(previously asked questions)
* Geek for Geeks(GFG) “must do” are frequently asked questions.
* Start with GFG: (basic level)
* LeetCode, InterviewBit (medium level)
* CodeForces, CodeShefs (advance level)
* YouTube channels for interview prep(competitive programming)

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| --- | --- |
| Aditya verma | <https://www.youtube.com/channel/UC5WO7o71wvxMxEtLRkPhiQQ> |
| gaurav sein | <https://www.youtube.com/c/GauravSensei/> |

What do they ask?

* Why you left previous company if you did.
* They ask about past experience.
* Projects done in college level if you are a freshie.

What they don’t ask,

* They don’t ask system design questions to freshies.
* They don’t ask Competitive programing (CP) rank .
* Even in AI/ML jobs they ask DSA.
* Still the preparation will be company specific.

How to end up in a great company?

* Switch jobs.
* Participate in company’s coding competitions and hackathons.
  + Google – Code jam, KickStart
  + FlipKart – Smart grid
* M.Tech.
* LinkedIn and twitter are great platforms where you can be updated about the company and recruitment.

# Harshil Jain:

* 2019 pass out from VGEC.
* Joined in TCS as system engineer.
* Gave GATE and reserved 652nd rank.
* Pursued M.tech form NIT Karnataka.
* Currently working at flipkart.

What to do? Go for higher studies? Start a job after B.tech? or start a startUp?

* If you are interested in research work definitely go for the Master’s degree.
* With higher studies you get M.tech degree and by doing job you get 2 years more experience.
* Both have its values and potentials
* For R&D posts, they recruit only PHD or M.tech candidates otherwise the opportunity is almost same for both.
* Big companies are already big, so you won’t be able to contribute significantly and learn multiple fields there,
* On other hand in small companies or start-ups you would have to do a lot of work and learn much too!
* You decide yourself what path you want to choose.

How to prepare for gate?

* Prepare from reference books.
* Gate is held in February so try to complete the syllabus before January so you have 1 month to revision.
* Keeping notes of what you learn is a must do task.
* Focus on core concepts, In gate they ask fundamental level questions only.
* Subjects like DMGT and TOC are not in the syllabus of IT eng. But asked in GATE so know the syllabus of GATE well.

What should one pursue? Higher company Or The post you like?

* You can do either one
* You can go to lower company for the post you like and learn a lot, With that experience try for a higher company.
* Or You can go to a higher company and use that as a leverage for the post you love in other company.

What is required to go abroad for higher studies?

* IELTS, Projects and Letter of reference should be there.
* If you can afford go to USA, If can’t Canada and Germany are good for higher studies.

How were you in your college first year?

* I was not so serious about studies in first year and I regret I didn’t do coding in the first year. But you should start as soon as possible.

# Prof Nikunj Gamit:

* Training and placement officer of IT branch at VGEC.

How to choose a domain?

* Trying out everything is the only way.
* You need to explore.
* Keep asking to faculties and seniors what to do and figure out what you like and good at.
* Try it out and you’ll know you like it or not.

How to be JobReady?

* Everything else keep changing so strong fundamentals is the thing companies want.
* Companies come in 7th Sem but preparation starts now!
* Understand the core concepts and practice it by preparing projects.
* Keep updated with new technologies.
* After 5th Sem register on placement portal of college.
* Keep a list ready of your interests, job profiles and technologies you are good at.
* Prefer learning over pay scale at the beginning level.

Q&A round

Can you do extra-curricular with jobs?

* Yess,
* If you have good grip on the technologies you work on, yes otherwise you will stugle

What opportunities do Game-Devs and robotics have in college placements?

* There aren’t many specific jobs for game dev or robotics
* Field isn’t developed in India so there is a good scope in it.
* You need to prepare specifically for these companies and do things apart from the syllabus.
* With these kind of profile you need to apply off campus for greater opportunities.

How to build logic for programming? Why competitive programming is needed?

* You have to try and solve it, That’s the only way!
* Companies test your CP skills to know if you can solve problems or not.
* Once you are selected they assign you to different projects, They don’t want you to do competitive programming as your core job
* But to get selected in a company you need to have that skill

What are your views on start-ups? How can I start one?

* In 3rd sem there is a subject – Design thinking,
* It will give you clarity on whether you can go ahead for start-up or not.

Should we learn more than one programming language?

* For now YES you have to
* Even at industry 3 or 4 programming languages are being used in a single project
* You must know at least one object oriented programming language.(OOP)

What skills are needed in professional life?

* For technical skills you need to have a little extra than one skill.
* You should be flexible enough to change onto other technologies and languages.
* The base is same in different programming languages.
* Soft skills is anyway needed in every aspect of professional life.