Core Foundation

Maintain a CGPA of 8.5 or above to target FAANG companies, falling below this threshold may prevent your resume from passing the initial machine-based screening round.

1. Programming Fundamentals

Choose Your Language: Start with either C++ or Java and master the fundamentals before moving forward.

2. Data Structures & Algorithms (DSA)

Recommended Learning Path:

- **Step 1:** Progress to comprehensive DSA concepts
  - [Striver's DSA Playlist](#)
  - [Striver DSA Sheet](#)
- **Step 2:** Complete Design and Analysis of Algorithms (DAA)
  - [DAA Playlist](#)

Essential Platform

- **Primary Learning Hub:** [TakeUForward](#) - Your go-to resource for comprehensive coding tutorials
- **Roadmap:** [Roadmap Website](#)

3. Advanced Concepts

Dynamic Programming Mastery:

- [DP Playlist](#)

Technical Core Subjects

4. Essential CS Fundamentals

- **Database Management Systems (DBMS):** [DBMS Playlist](#)
- **Computer Networks:** [CN Playlist](#)
- **Operating System:**
  - [OS Playlist](#)

- **System Design:**
  - [System Design Basics](#)
  - [Advanced System Design](#)

Academic Excellence

5. Semester-Specific Subjects

- **Cryptography:** [Cryptography Playlist](#)
- **Theory of Computation:** [TOC Playlist](#)
- **Compiler Design:** [Compiler Design Playlist](#)

Quick Revision Resources:

- [DBMS One-Shot](#)
- [Computer Networks One-Shot](#)
- [Operating Systems One-Shot](#)

Practical Skills Development

6. Web Development Stack

Frontend Development:

- [JavaScript Mastery Channel](#) - HTML, CSS, React, Next.js, and Projects

JavaScript Fundamentals:

- [JavaScript Course 1](#)
- [JavaScript Course 2](#)

Exclusive Student Benefits

7. Free Resources & Tools

Use your college email (@gehu.ac.in) to access:

- [GitHub Student Developer Pack](#)
- [Google Cloud for Students](#)

- [Microsoft Azure for Students](#)
- [AWS Educate](#)

How to Start

1. Choose your programming language and start practicing
2. Begin with DSA concepts before moving to DAA and then advanced DSA
3. Dedicate specific time slots for core subjects
4. Set up your free student accounts for cloud platforms
5. Create a consistent study schedule

"Success in placements comes from consistent effort, not last-minute preparation. Start today, stay committed, and results will follow."