



AL - Gore - Rhythmic Ascent

Indian Institute of Technology Bombay
Summer/Seasons of Code (SoC) - 2025

Master Problem Solving • Build Strong Foundations • Compete with Confidence

Welcome!

🌟 Gear Up for an Intense & Fun Summer of Coding!

“The only way to learn a new programming language is by writing programs in it.” — Dennis Ritchie

☀️ Welcome to the DSA & Competitive Programming Summer Course



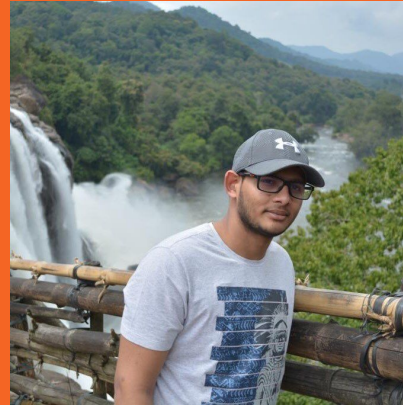
Meet us

Sonusree Banothu



Upcoming
Junior in the
Computer
Science and
Engineering
Dept.

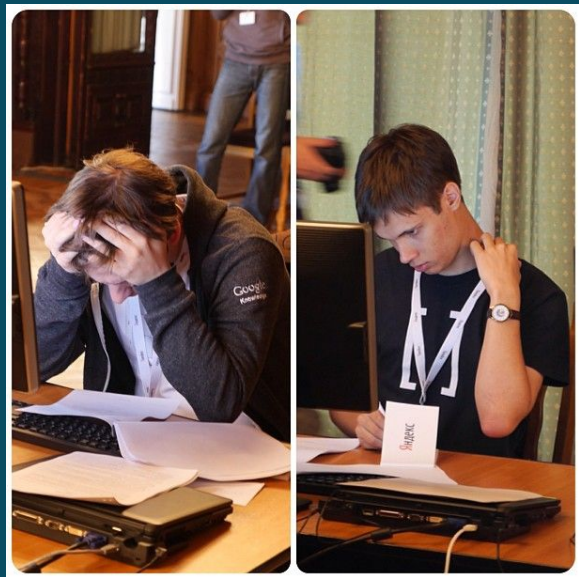
Aditya Sanapala



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What *is* Competitive Programming?

- A mind sport where individuals/teams compete to solve problems within a specific time limit.



Petr Mitrichev (left)
and Gennady
Korotkevich (right),
in the 2013 Yandex
Algorithm Cup



Tip

*Don't chase
problems—chase
patterns. One “aha!”
moment beats ten
brute-force wins.*

But, why?

- You can train your brain to solve puzzles under pressure – think smarter, not just faster.
- In today's tech-driven world, the ability to **think algorithmically, solve problems efficiently, and write clean, optimized code** is what sets great programmers apart.
- You can stand out at Google, Meta, and more – where every second (and semicolon) counts (basically, (F/M)AANG).
- well, if anything, it does improve your problem solving ability and logical thinking to say the least...

But
before
we go
ahead,

DSA/Algo

Data Structures:

Techniques for organizing and storing data in ways that make it easy to access and modify.

Algorithms: Step-by-step procedures or formulas for solving problems efficiently and optimizing performance.


Free world, Free language!

- Usually, we can do all of these in any language - the more rudimentary the language, the harder it gets.
- But you don't go around doing CP in asm right?
- Your programming language is like your starter pokemon - you have to choose wisely.
- So I give you 3 options - C/C++, Java and Python. Choose your starter pokemon!



Once again, Welcome here!

- Meetings will be held once a week.
- Weekly assignments will be uploaded on the repo on wednesdays.
<https://github.com/adityasanapala/SoC-Al-Gore-Rhythmic-Ascent>
- Join the WhatsApp group if you haven't yet!
<https://chat.whatsapp.com/LYJlYb3JlDQAw6AKUgIHWA>
- Submissions will be via Google Forms.
- Most importantly, enjoy while you are here, and have a great summer!



Thank you & Good luck!

For more about
collaborating with
us/sharing your
ideas, reach out on
WhatsApp

