

Complete Guide to HackWithInfy 2025 *(Updated June 2025)*

Introduction

HackWithInfy is Infosys’ premier coding competition for engineering students in India. It offers **pre-placement interviews (PPIs)** for technical roles with competitive compensation. The contest evaluates:

- **Round 1:** Algorithmic problem-solving (3 hours)
- **Round 2:** Innovation hackathon (48 hours)

Roles & Compensation

Role	CTC (LPA)	Key Selection Criteria
System Engineer (SE)	₹3.5	Arrays, sorting, basic recursion
Digital Specialist (DSP)	₹6.2	DP, graphs, backtracking
Specialist Programmer (SP)	₹9.5	Segment trees, game theory, CP-level mastery

Competition Structure

Round 1: Online Coding (3 Hours)([Click Here for more details](#))

- **Format:** 3 problems (Easy/Medium/Hard)
- **Qualification:**
 - SE: Solve ≥ 1 problem
 - DSP: Solve ≥ 2 problems (including 1 medium)
 - SP: Solve all optimally
- **Key Topics:**
 - [Arrays/Strings](#)
 - [Dynamic Programming](#)
 - [Advanced Trees](#)

Round 2: Grand Finale (48-Hour Hackathon))([Click Here for more details](#))

- **Deliverables:** Prototype + pitch deck + demo video
- **Winning Tech Stacks:**

Domain	Tools
Web	MERN (MongoDB, Express, React, Node)
AI/ML	TensorFlow + Scikit-learn
Cloud	AWS/Azure deployment

- **Judging Criteria:** Innovation (40%), scalability (30%), UI/UX (30%)

DSA Syllabus & Resources (Link)

1. System Engineer (SE)

- **Topics:** Binary search, greedy methods, BFS/DFS, basic recursion
- **Resources:**
 - [GeeksforGeeks SE Guide](#)
 - [LeetCode Easy Problems](#)

2. Digital Specialist (DSP)

- **Topics:** 0/1 Knapsack, Dijkstra's, Trie
- **Resources:**
 - [Striver's DSP DSA Sheet](#)
 - [HackerRank Graphs](#)

3. Specialist Programmer (SP)

- **Topics:** HLD, XOR tricks, matrix exponentiation
- **Resources:**
 - [CodeForces 1500+ Problems](#)
 - [CP-Algorithms Advanced Guide](#)
 - [HackerRank](#)

Preparation Strategy

Phase 1: Foundation (1st Week)

- **Daily Routine:**

Morning (2 hrs): Topic study (e.g., DP)
Afternoon (2 hrs): Solve 10 problems (LeetCode/CodeChef)
Evening (1 hr): Analyze failed solutions
- **Tools:** [Visualgo](#) for algorithm visualization

Phase 2: Contest Simulation (2nd Week)

- **Weekly Plan:**

Day	Activity
Mon-Wed	Topic drills (e.g., graphs only)
Thu-Fri	3-hour mock tests
Sat	Live contests (CodeForces/LeetCode)

Phase 3: Hackathon Readiness

- **Key Steps:**
 1. Master 1 full-stack framework (e.g., [React](#))
 2. Build 2 projects using APIs (e.g., [Google Maps API](#))
 3. Deploy on [AWS](#)

Top 10 Must-Solve Problems

1. Arrays: [Max Subarray Sum](#)
2. DP: [0/1 Knapsack](#)
3. Graphs: [Dijkstra's Shortest Path](#)
4. Trees: [LCA in Binary Tree](#)
5. Bit Manipulation: [Single Number II](#)
6. Backtracking: [N-Queens](#)
7. Hashing: [Group Anagrams](#)
8. Greedy: [Coin Change](#)
9. Trie: [Word Search II](#)
10. Segment Trees: [Range Sum Query](#)

Hackathon Toolkit

Category	Tools
Frontend	React, Angular, Tailwind CSS
Backend	Node.js, Django, Flask
Database	MongoDB, Firebase
Deployment	AWS EC2, Vercel, Netlify
APIs	OpenWeather , Twilio

Project Ideas:

- AI-based crop disease detector (IoT + ML)
- Blockchain voting system
- Mental health chatbot (NLP)

Verified Resources

Practice Platforms

- [LeetCode \(Infosys Tag\)](#)
- [Hackerrank](#)
- [GeeksforGeeks DSA](#)

Previous Year Papers

- [2023 Questions](#)
- [2022 Solutions](#)

Video Tutorials

- [DSA Mastery](#)
- [MERN Stack](#)
- [AWS Deployment](#)

Community Support

- **Discussion Forums:**
 - [Infosys Careers Forum](#)
 - [LeetCode Discuss](#)
- **Q&A:** [Stack Overflow Infosys Tag](#)
- **Study Groups:** [Discord Server](#)

Preparation Timeline(For Very Beginner)

Timeframe	Activity
Months 1-2	Complete Striver's SDE Sheet
Month 3	Solve CodeForces Contests
Last 2 Weeks	Build hackathon prototype

Final Checklist

1. **Before Round 1:**
 - Solve all [2023 questions](#)
 - Achieve LeetCode rating ≥ 1600 (for SP)
2. **Before Hackathon:**
 - Prepare cloud deployment scripts
 - Draft problem statement with societal impact
3. **During Hackathon:**
 - Prioritize working demo over extra features
 - Document code with comments

Pro Tip: For SP roles, maintain a **CodeForces rating ≥ 1600** . Track progress [here](#).

https://img.shields.io/badge/DAYS_LEFT-120-green?style=flat-square

Need Help?

- Email: hackwithinfy.support@infosys.com
- Live Chat: [Infosys Careers Portal](#)