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, 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