GATE DA
APTITUDE

About Me

VENKATESH E

🎓 Master's in AI from IIT Hyderabad

💼 MLE-3 at PayPal (ex-Qualcomm)

🏅 3+ years of Machine Learning Engineering experience

📚 Taught GATE Data Science on RBR Sir's platform (Gate DA - 2024)

📝 Published research papers in AAAI 2021 & ACL 2023

🔗 LinkedIn: https://www.linkedin.com/in/venkateshelangovan/

📘 GATE Official Syllabus Breakdown

✅ Quantitative Aptitude

• Data interpretation: data graphs (bar graphs, pie charts, and other graphs representing data), 2- and 3-dimensional plots, maps, and tables
• Numerical computation and estimation: ratios, percentages, powers, exponents and logarithms, permutations and combinations, and series
• Mensuration and geometry
• Elementary statistics and probability

✅ Analytical Aptitude

• Logic: deduction and induction, Analogy, Numerical relations and reasoning

✅ Spatial Aptitude

• Transformation of shapes: translation, rotation, scaling, mirroring, assembling, and grouping
• Paper folding, cutting, and patterns in 2 and 3 dimensions

📝 Aptitude Chapter Breakdown

I. Quantitative Aptitude

1. Number Systems
2. LCM & HCF
3. Ratio & Proportions
4. Partnership
5. Mixture and Alligation
6. Ages
7. Averages
8. Percentages
9. Simple Interest and Compound Interest

10. Time and Work
11. Pipes and Cistern
12. Time, Speed and Distance
13. Problems on Trains
14. Problems on Boats and Streams
15. Linear Race
16. Circular Race
17. Logarithms
18. Surds and Indices
19. Progressions
20. Profit and Loss
21. Geometry and Mensuration
22. Permutation & Combination
23. Probability

II. Analytical Aptitude

1. Blood Relationship
2. Coding and Decoding
3. Number Series
4. Alphabetical Series
5. Odd-Man-Out
6. Venn Diagrams
7. Direction Sensing
8. Analytical Reasoning
9. Clocks
10. Calendar
11. Cubes and Dice
12. Arithmetic Reasoning
13. Coded Inequalities
14. Syllogism
15. Logical Conclusion
16. Data Interpretation
17. Logical Puzzles
18. Analytical Figures

III. Spatial Aptitude

1. Visual Reasoning - Series
2. Pattern Completion
3. Spotting Embedded Figures
4. Classification of figures
5. Mirror Images
6. Water Images
7. Paper Folding
8. Paper Cutting
9. Grouping Figures
10. Assembling Figures
11. Rotating Figures
12. Figure Matrix
13. Logical Thinking with respect to Figures