Reference books

Sl. No.	Author/Editor (In Capitals)	Title	Publisher	ISBN Number
1.	Dr. R.S. Aggarwal	A Modern Approach to Logical Reasoning	S. Chand	9789358705898
2.	Dr. R.S. Aggarwal	A Modern Approach to Verbal & Non-Verbal Reasoning	S. Chand	9789364685979
3.	Dr. R.S. Aggarwal	Quantitative Aptitude for Competitive Examinations	S. Chand	9789358705010
4.	Rajesh Verma	Fast Track Objective Arithmetic	Arihant Publications India Limited	9789326197298
5.	Arun sharma	How To Prepare For Quantitative Aptitude For CAT	Mc Graw Hill	9789355327024
6.	Arun Sharma, Meenakshi Upadhyay	How To Prepare For Verbal Ability & Reading Comprehension For CAT	Mc Graw Hill	9789355327154
7	Arun Sharma	How to Prepare for Logical Reasoning for CAT	Mc Graw Hill	9789355325112
8	Arun Sharma	How to Prepare for Data Interpretation for CAT	Mc Graw Hill	9789355324320
	Meenakshi Upadhyay, Arun Sharma	Excel in English Language	Mc Graw Hill	9789355329967

✅ 1. Programming & Software Development
Course: Python for Everybody
Platform: Coursera (University of Michigan)
Link: https://www.coursera.org/specializations/python
Cert: Yes
Why: Strong foundation in Python, useful in almost all engineering domains.

Course: CS50: Introduction to Computer Science
Platform: edX (Harvard)
Link: https://cs50.harvard.edu/x/
Cert: Yes (Paid)
Why: A deep understanding of CS fundamentals, widely respected.

✅ 2. Data Science & Machine Learning
Course: IBM Data Science Professional Certificate
Platform: Coursera
Link: https://www.coursera.org/professional-certificates/ibm-data-science
Cert: Yes
Why: Covers Python, SQL, ML, and data visualization—industry-focused.

Course: Machine Learning
Platform: Coursera (Andrew Ng, Stanford)
Link: https://www.coursera.org/learn/machine-learning
Cert: Yes
Why: Widely recognized; a must for ML beginners.

✅ 3. Core Engineering (Electronics, Electrical, Mechanical, Civil)
Course: NPTEL Online Certification (e.g., Signals and Systems, Control Systems, Fluid Mechanics)
Platform: Swayam/NPTEL
Link: https://swayam.gov.in/NPTEL
Cert: Yes (With proctored exam)
Why: Curriculum-aligned, backed by IITs, very useful for core engineering domains.

Course: SolidWorks or AutoCAD Essentials
Platform: Udemy or LinkedIn Learning
Link: https://www.udemy.com/course/solidworks-essentials/
Link: https://www.udemy.com/course/autocad-essentials/
Cert: Yes
Why: Valuable for mechanical, civil, and design engineering students.

✅ 4. Cloud Computing & DevOps
Course: AWS Cloud Practitioner Essentials
Platform: AWS Training / Coursera / Udemy
Link: https://www.aws.training/Details/Curriculum?id=20685
Cert: Yes (AWS Certified Cloud Practitioner)

Why: Cloud is a hot skill across domains.

Course: Google IT Support Professional Certificate
Platform: Coursera
Link: https://www.coursera.org/professional-certificates/google-it-support
Cert: Yes
Why: Intro to networking, OS, and cloud—useful for IT/CS/EC students.

✅ 5. Cybersecurity
Course: Introduction to Cyber Security
Platform: edX (NYU / University of Washington)
Link: https://www.edx.org/course/introduction-to-cyber-security
Cert: Yes
Why: Growing demand for security professionals.

✅ 6. Web Development & App Development
Course: The Web Developer Bootcamp
Platform: Udemy
Link: https://www.udemy.com/course/the-web-developer-bootcamp/
Cert: Yes
Why: Covers HTML, CSS, JS, Node.js — great for starting full-stack.

Course: Build Android Apps with Kotlin
Platform: Google Developers / Udacity
Link: https://www.udacity.com/course/developing-android-apps-with-kotlin--ud9012
Cert: Yes
Why: Good for mobile app dev with official support.