

Career Advice:

You have a solid foundation in programming and project management, making you well-suited for both technical and coordination roles. To stand out, focus on acquiring practical experience with modern tools like Git, cloud platforms, and automation frameworks. Supplement your communication skills with technical documentation and stakeholder engagement strategies. Choose a specialization that aligns with your interests, but maintain a broad technical base to maximize your opportunities in the evolving tech job market.

Recommended Jobs:

- Software Engineer
- Project Manager (IT)
- Backend Developer
- Business Analyst
- QA Engineer

Courses:

- Data Structures and Algorithms in Python (free) - <https://www.coursera.org/learn/data-structures-algorithms-python>
- Version Control with Git (free) - <https://www.udacity.com/course/version-control-with-git--ud123>
- Object Oriented Design (paid) - <https://www.udemy.com/course/object-oriented-design/>
- Agile with Atlassian Jira (free) - <https://www.coursera.org/learn/agile-atlassian-jira>
- SQL for Data Science (free) - <https://www.coursera.org/learn/sql-for-data-science>
- REST APIs with Flask and Python (paid) - <https://www.udemy.com/course/rest-api-flask-and-python/>
- Business Analytics with Excel (free) - <https://www.coursera.org/learn/excel-business-analytics>
- Selenium WebDriver with Java (paid) - <https://www.udemy.com/course/selenium-real-time-examplesinterview-questions/>
- AWS Cloud Practitioner Essentials (free) - <https://www.aws.training/Details/Curriculum?id=20685>

Skill-Gaps by Job:

- Software Engineer: Data Structures & Algorithms, Version Control (Git), System Design
- Project Manager (IT): Agile/Scrum Methodologies, Stakeholder Management, Risk Assessment
- Backend Developer: Databases (SQL/NoSQL), API Development, Cloud Platforms (AWS/Azure)

Business Analyst: Data Analysis (Excel/Tableau), Requirement Gathering, Process Modeling (BPMN)

QA Engineer: Automation Tools (Selenium), Test Case Design, Bug Tracking Systems (JIRA)

8-Week Learning Plan:

Week 1: Strengthen data structures & algorithms fundamentals and practice coding problems.

Week 2: Learn and use Git for version control; start contributing to small open-source projects.

Week 3: Study software design patterns and basic system design concepts.

Week 4: Explore Agile/Scrum methodologies and project management principles.

Week 5: Learn databases (SQL/NoSQL) and build a CRUD backend application.

Week 6: Practice API development with Python/Java frameworks (Flask/Spring Boot).

Week 7: Gain basics of data analysis and visualization using Excel or Tableau.

Week 8: Study QA fundamentals, learn Selenium for automation testing, and practice writing test cases.

Job-Market Demand:

Software Engineer: 9/10

Project Manager (IT): 8/10

Backend Developer: 9/10

Business Analyst: 7/10

QA Engineer: 7/10

Average Salaries (INR/month):

Software Engineer: 10

Project Manager (IT): 18

Backend Developer: 12

Business Analyst: 9

QA Engineer: 8