

# Assignment 05: Career Planning, Certifications & Industry Readiness

## STEP 1 - SMART GOALS

### Short-Term Goal (0-6 months)

Goal: Learn Python fundamentals and complete two beginner-level projects. Importance: Python is essential for problem solving and forms the base for AI, ML, and data science. Measurement: Completing a course, finishing two projects, and uploading them on GitHub.

### Medium-Term Goal (1-2 Years)

Goal: Secure a summer internship in software development and build a strong LinkedIn-GitHub presence. Importance:

Internships provide real-world experience and build professional credibility.

Measurement: Applying to 20+ internships, securing at least one, updating LinkedIn weekly, and

maintaining active GitHub contributions.

Long-Term Goal (3+ Years) Goal:

Become a proficient full-stack developer and earn a top-tier placement. Importance: Full-stack roles are in demand and offer strong career growth.

Measurement: Learning MERN stack, building 5+ major projects, earning certifications, and receiving placement interview calls.

## STEP 2 - CERTIFICATION RESEARCH

Certification 1: AWS Cloud

Practitioner Platform: Amazon Web Services Skills: Cloud fundamentals, compute, storage, networking, billing. Duration: 1-2 months Cost: Varies by region

Relevance: Useful for cloud, DevOps, and scalable system design roles.

Certification 2: Google Data

Analytics Professional Certificate

Platform: Coursera (Google Career Certificates) Skills: Data analysis, spreadsheets, SQL, dashboards, visualization. Duration: 3-4

months Cost: Monthly subscription

Relevance: Builds analytical foundation for data-related careers.

### STEP 3 - LINKEDIN PROFILE (Insert Screenshot in Final Report)

Profile Requirements Completed: - Professional profile picture - 3-4 sentence summary - Education details added - Skills: Python, Communication, Problem Solving

### STEP 4 - HACKATHON / CONTEST PARTICIPATION PLAN

Event: Smart India Hackathon (SIH) Platform: Government of India, Innovation Cell Tentative Date:

Upcoming annual cycle Preparation Steps: - Form a 4-6 member team - Identify problem

statements • Learn required tech stack • Build a prototype and prepare PPT

## STEP 5 - CAREER ROADMAP (SUMMARY)

Career Roadmap (500-800 words

- full version to be inserted in final report) • Year 1: Build basics (C, Python, Git, DSA) • Year 2: Certifications + Projects +

Hackathons • Year 3: Internships +

Advanced Skills (Cloud/AI/Web) •

Year 4: Placement preparation (DSA, mock interviews, resume) This assignment helped me clearly define my academic and career goals. I learned the importance of SMART goal setting and how structured planning improves clarity. Researching certifications helped me understand industry expectations and the skills currently in demand. Updating my LinkedIn profile taught me how to

present myself professionally and the value of online branding.

Planning for hackathons encouraged me to step into collaborative problem-solving environments.

Challenges included selecting the right certifications and aligning goals with realistic timelines, but this helped me think critically about my long-term vision. Going forward, I will continue improving my

skills, track my progress regularly, and update my portfolio and GitHub. This assignment has strengthened my confidence in planning my career path in the tech industry.