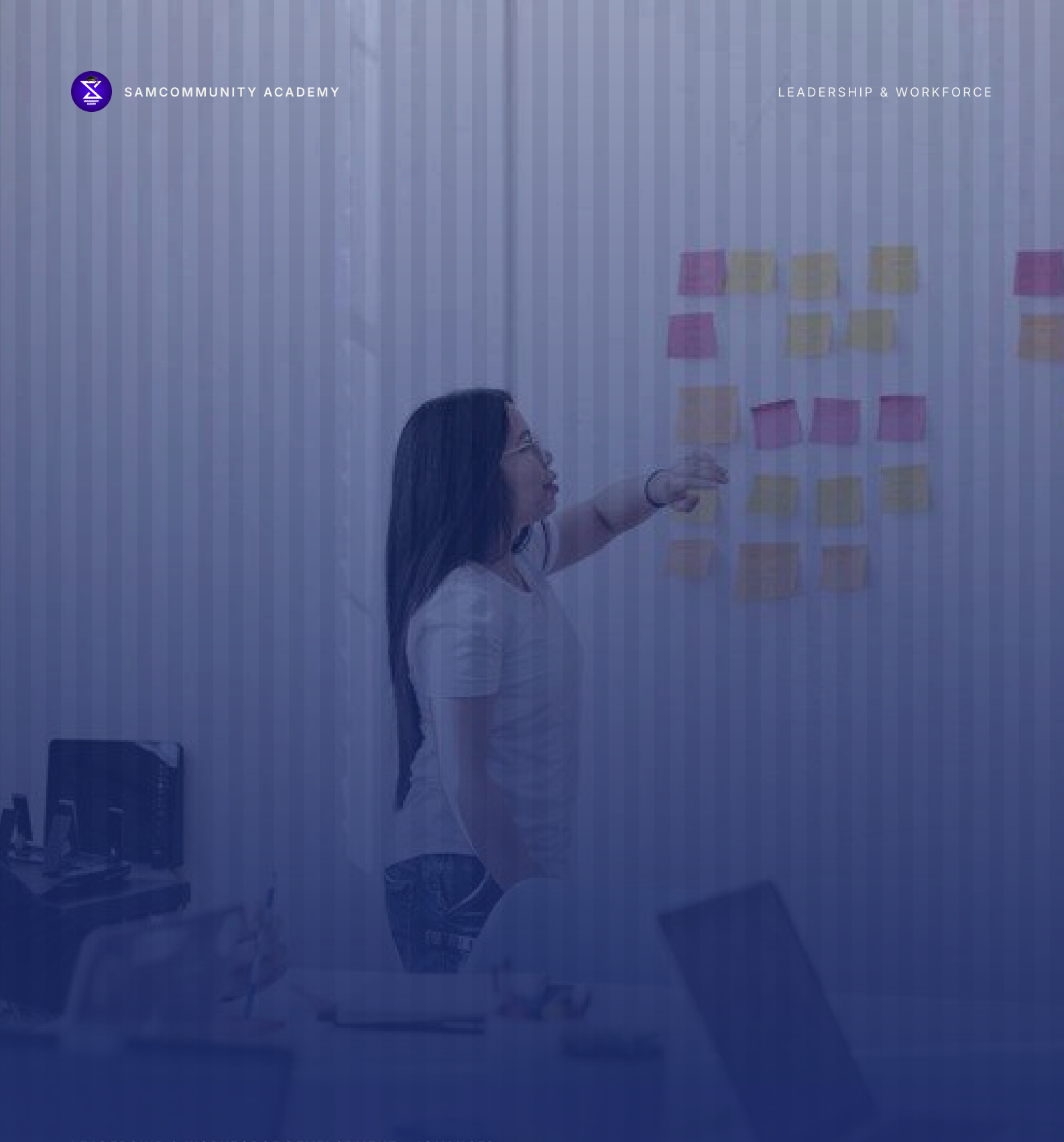


LEADERSHIP & WORKFORCE DEVELOPMENT · ADVANCED

Returning Professional Technology Reskilling

Return to tech with confidence.

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LEVEL	Advanced
DURATION	120 Hours
MODULES	8
CERTIFICATE	SAM-RPTR

Why this program

Reskilling for professionals returning to the workforce after a career break.

Technology evolves quickly, and professionals returning after a career break often find that tools, practices and expectations have changed. Their earlier experience remains valuable but needs refreshing. This program rebuilds core skills in Python, Git, data, cloud and modern development practices, introduces AI-assisted workflows, and supports learners in building a portfolio and preparing confidently for re-entry roles.



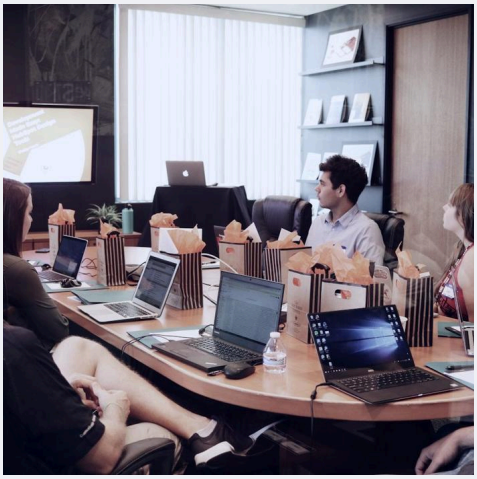
120 hours of compact, practical sessions

8 focused modules, built around real work

3 projects plus a capstone presentation



Who this program is for



01

New managers

Manager bootcamp and communication skills

02

Delivery teams

PMP, Agile & Scrum, ITIL 4

03

Technology leaders

Team leadership, strategic IT, CTO program

04

HR & L&D teams

Fresher, lateral and reskilling programs

PREREQUISITES

- Prior experience in a technology or technical role
- Basic computer and internet skills
- Commitment to regular practice

DESIGNED FOR

- Software Developer (Returning)
- Data Analyst
- QA or Test Engineer
- IT Support or Operations Engineer
- Business or Technical Analyst

What you'll be able to do.

01 Refresh programming fundamentals using modern Python practices

02 Manage code and collaborate using Git and GitHub

03 Analyse data with SQL and Python libraries

04 Use cloud services and modern development workflows

05 Apply AI assistants productively and responsibly in tasks

06 Present a portfolio and interview confidently for roles

How the program works

Returning with Confidence

Technology changes in recent years, Mapping prior experience to roles, Learning strategies for adults, Confidence and mindset.

Modern Python Programming

Python syntax and data types, Functions and modules, Data structures, Error handling and files.

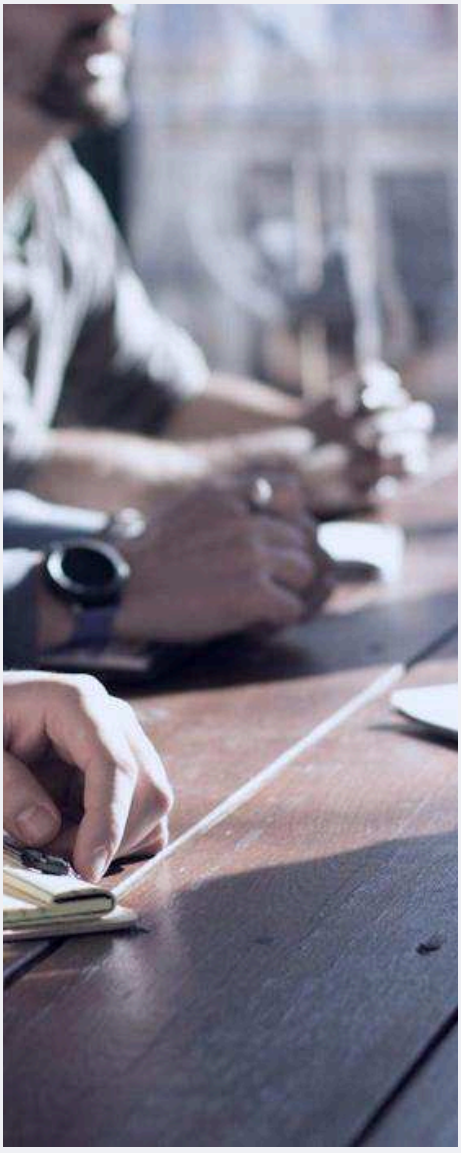
Git and Collaboration Tools

Git fundamentals, Branches and pull requests, GitHub workflows, Code review etiquette.

Data and SQL

Relational databases and SQL, Joins and aggregations, pandas for data analysis, Data visualisation basics.

01 · Returning with Confidence	8 hrs
02 · Modern Python Programming	24 hrs
03 · Git and Collaboration Tools	8 hrs
04 · Data and SQL	20 hrs
05 · Web, APIs and Cloud Basics	16 hrs
06 · AI Tools in Modern Work	12 hrs
07 · Agile and Professional Practices	8 hrs
08 · Portfolio and Re-entry Preparation	24 hrs
★ Capstone · Re-entry Portfolio Project	



The curriculum

MODULES 01–03

01 Returning with Confidence

8 HOURS

Practical: Map your previous skills to current roles and draft a reskilling plan.

- Technology changes in recent years
- Mapping prior experience to roles
- Learning strategies for adults
- Confidence and mindset
- Personal reskilling plan

02 Modern Python Programming

24 HOURS

Practical: Build a Python automation script that processes and summarises CSV files.

Python

- Python syntax and data types
- Functions and modules
- Data structures
- Error handling and files
- Object-oriented basics
- Virtual environments and packages

03 Git and Collaboration Tools

8 HOURS

Practical: Contribute to a shared GitHub repository using branches and pull requests.

Git GitHub

- Git fundamentals
- Branches and pull requests
- GitHub workflows
- Code review etiquette
- Collaboration and documentation tools



Curriculum, continued

MODULES 04–06

04 Data and SQL

20 HOURS

Practical: Analyse a sales dataset with SQL and pandas and present key insights.

Python pandas

- Relational databases and SQL
- Joins and aggregations
- pandas for data analysis
- Data visualisation basics
- Spreadsheet to Python workflows

05 Web, APIs and Cloud Basics

16 HOURS

Practical: Call a public API with Python and deploy a small script to the cloud.

Python Docker

- How modern web apps work
- REST APIs and JSON
- Cloud computing concepts
- Core cloud services
- Containers overview with Docker

06 AI Tools in Modern Work

12 HOURS

Practical: Use an AI assistant to build and verify a small data utility.

- Generative AI concepts
- Prompting for code and analysis
- AI coding assistants
- Verifying AI output
- Responsible and secure AI use



Curriculum, continued

MODULES 07–08

07 Agile and Professional Practices

8 HOURS

Practical: Plan and track a mini project using an agile board and stand-ups.

- Agile and Scrum basics
- Working with Jira-style boards
- Remote collaboration practices
- Workplace communication
- Testing and quality basics

08 Portfolio and Re-entry Preparation

24 HOURS

Practical: Complete a portfolio project and attend mock technical and behavioural interviews.

- Portfolio project development
- Resume addressing career breaks
- LinkedIn profile refresh
- Technical interview practice
- Behavioural interview preparation
- Returnship and re-entry pathways



What you'll focus on.

Scrum 01

Returning with Confidence 02

Modern Python Programming 03

Git and Collaboration Tools 04

Data and SQL 05



Python
Automation & scripting

Git
Version control

GitHub
Code hosting & Actions CI

Docker
Containers & images

pandas
Data wrangling

Projects & capstone

01

Python Automation Tool

Build a Python tool that automates a repetitive data or file task, with clear documentation on GitHub.

02

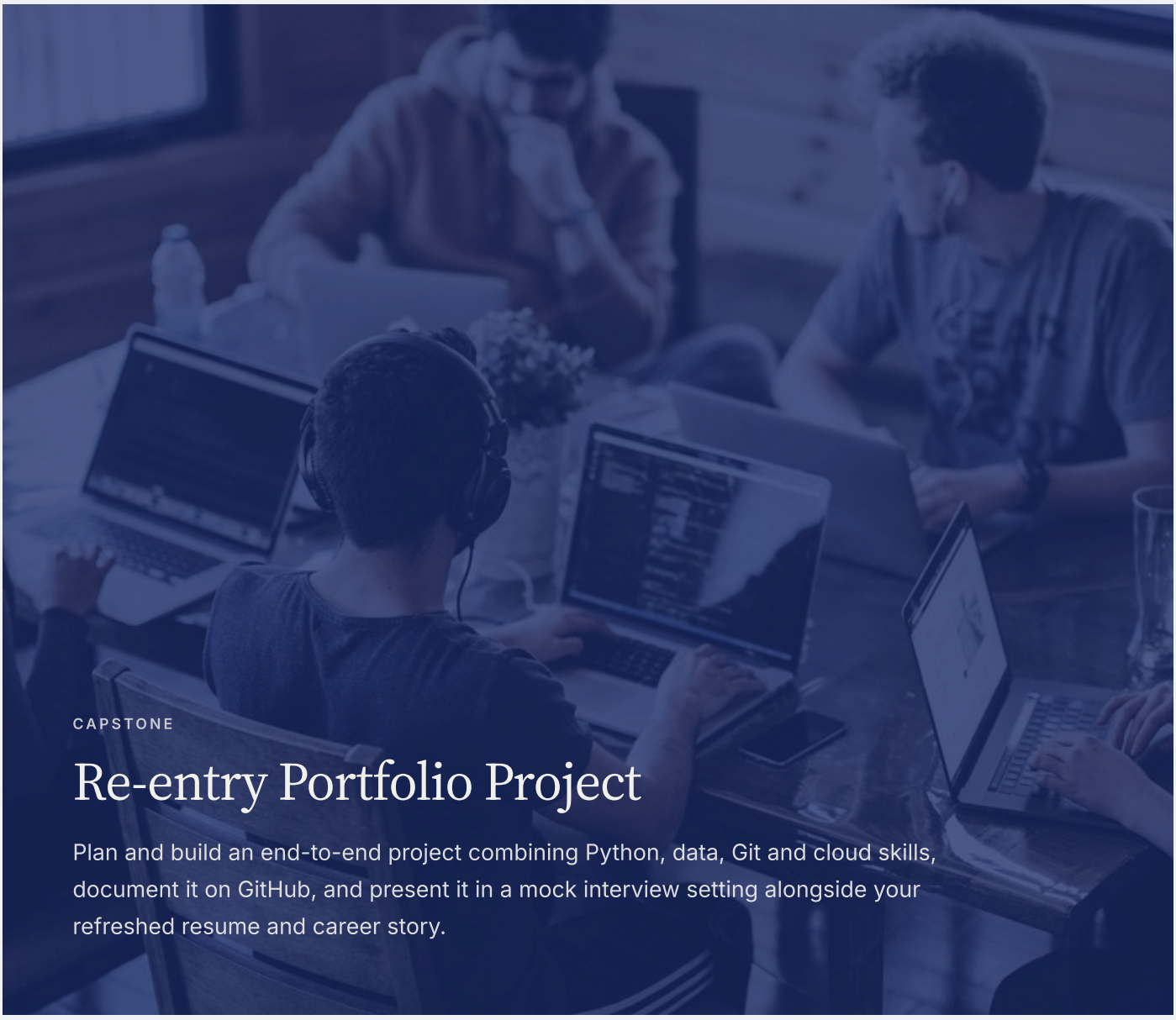
Data Insights Report

Analyse a real-world dataset using SQL and pandas, then present clear findings with simple, well-labelled visualisations.

03

Cloud-Deployed Script

Create a small API-driven application and deploy it to a cloud environment with setup instructions.



CAPSTONE

Re-entry Portfolio Project

Plan and build an end-to-end project combining Python, data, Git and cloud skills, document it on GitHub, and present it in a mock interview setting alongside your refreshed resume and career story.

CERTIFICATION

SAM-RPTR

Awarded on successful completion of the program assessments.

- MCQ assessments
- Practical lab evaluation
- Project & capstone review
- Final presentation

HOW YOU LEARN · THE SAM LEARNING FRAMEWORK™

01 Scenario

Real-world attack and use-case scenarios open every module.

02 Apply

Hands-on lab work, CTF challenges and live projects.

03 Master

Assessment, peer review and certification prep.

04 Mentor

Post-program career guidance and support.



Delivery: Instructor-Led (ILT) · Virtual Instructor-Led · Self-Paced Online · E-Learning Licensing · Blended Learning · Corporate Onsite

Where this program fits

Foundation	Intermediate	**Advanced**	Expert	Executive
5 programs	4 programs	You are here	2 programs	1 programs

BEFORE THIS

Project Management for IT (PMP Prep)	56 Hours
Agile & Scrum Master Certification	32 Hours
ITIL 4 Foundation	32 Hours
Lateral Hire Upskilling Program	80 Hours

UP NEXT

CTO / Technology Leadership Program	48 Hours
Enterprise Technology Capability Building	Custom



Questions, answered

Do I need prior experience to join?

Yes, some earlier technology or technical work experience is expected, as the program refreshes and updates skills rather than starting from zero. The length of your career break does not matter.

How is the program delivered and scheduled?

Delivery is instructor-led, either live virtual or blended with in-person sessions. Batch timings, weekday or weekend options and corporate cohort schedules are confirmed at enrolment, with session materials provided for revision.

What certification will I receive?

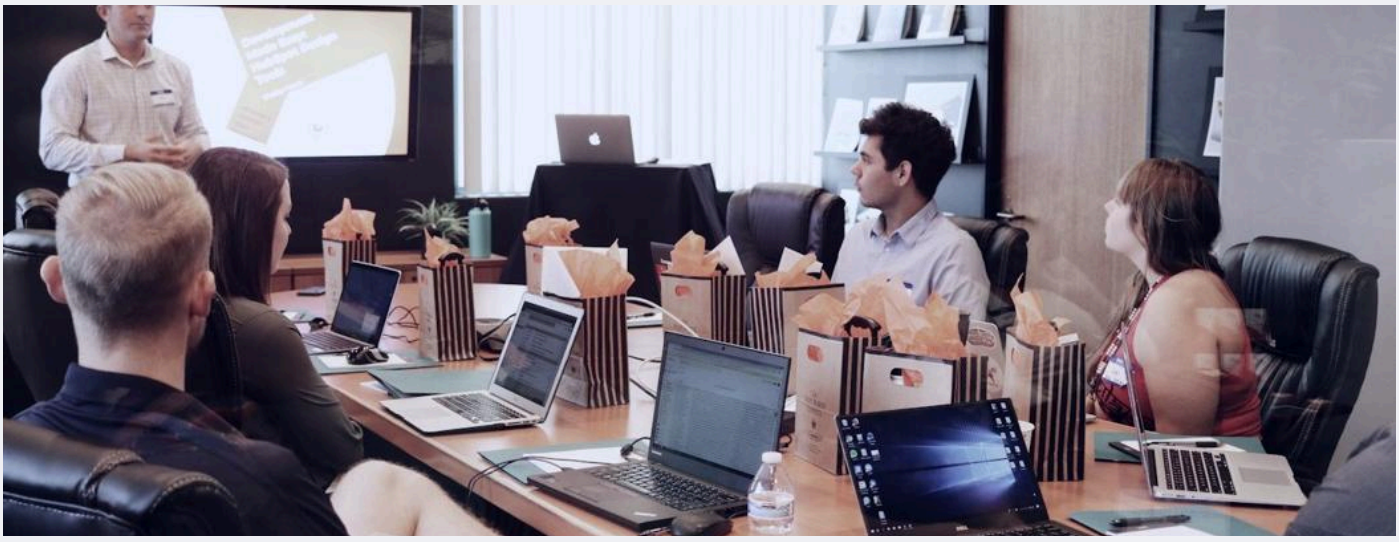
Learners who attend the sessions and pass the required assessments receive the Samcommunity Academy SAM-RPTR certificate of completion. It recognises the skills demonstrated in the program and is not a third-party vendor credential.

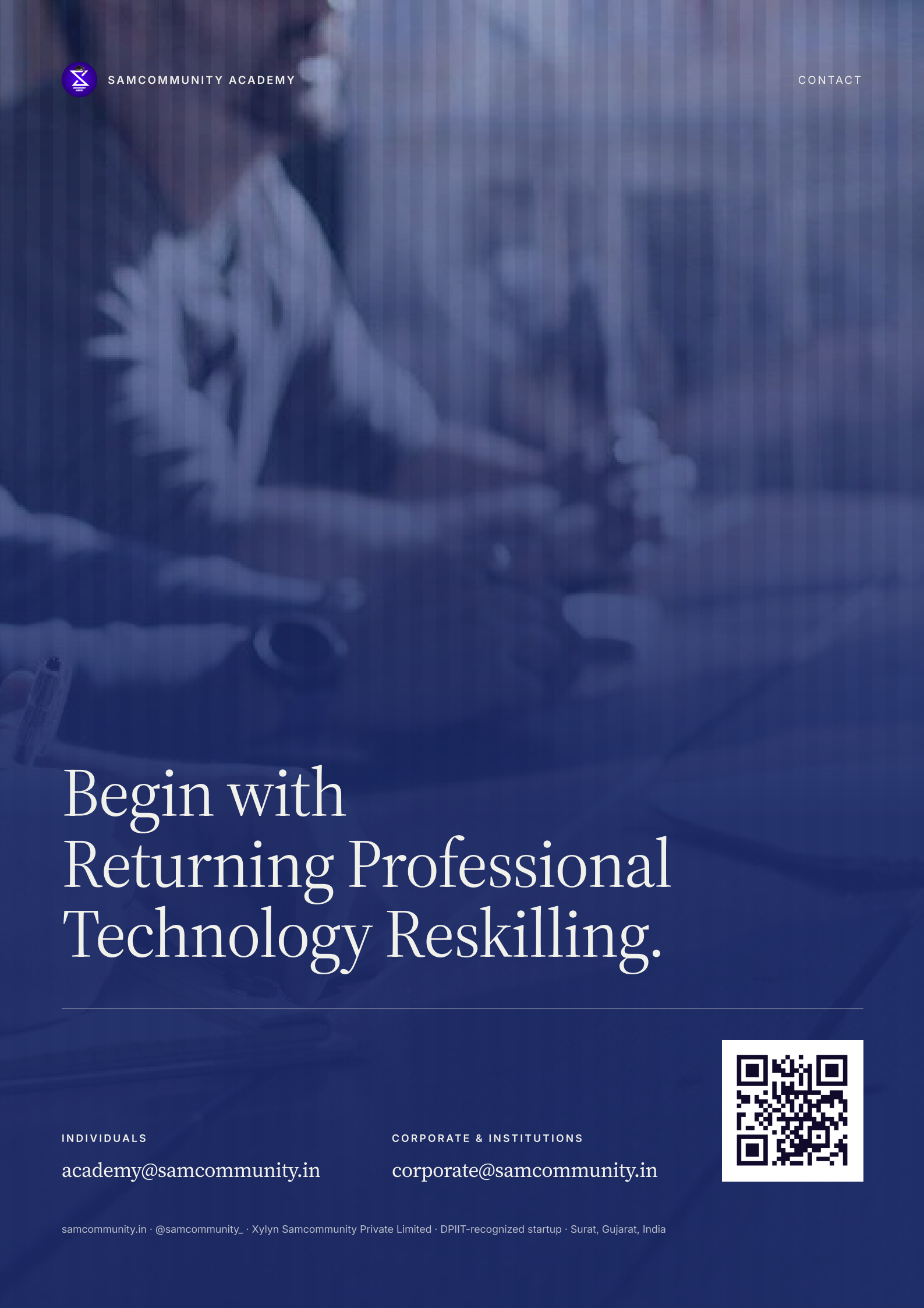
Will I get access to labs, tools and materials?

Yes. Learners use Python, Git, GitHub, SQL databases, cloud lab accounts and AI assistants during hands-on sessions. A laptop that can run Python and a code editor is recommended; setup support is provided.

Is career support included?

Learners receive guidance on applying the skills at work, including mentor discussions and, where relevant, resume or portfolio feedback. Samcommunity Academy does not guarantee jobs, promotions or salaries; outcomes depend on individual effort.





SAMCOMMUNITY ACADEMY

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Begin with Returning Professional Technology Reskilling.

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