Skills Improvement Plan

📅 Daily Study Plan: 8 Weeks, ~2 Hrs/Day

Each week has:

- 🧠 **Core Learning** (videos, articles, documentation)
- 🛠 **Hands-on Practice**
- ✍ **Documentation/Reflection**
- 🧪 **Mini-projects or review**

☑️ WEEK 1 – *Python Foundations for Security*

Day	Focus	Time	Task
Mon	Python Basics	2h	Watch first hour of [freeCodeCamp Python Course](#), follow along
Tue	Control Flow + Loops	2h	Continue course, start writing basic scripts
Wed	Lists & Dictionaries	2h	Parse a fake log file and print events
Thu	Functions & Error Handling	2h	Build a reusable log-checking function
Fri	Working with Files	2h	Write/read `.log` and `.csv` files
Sat	Mini Project	2h	Build a "log monitor" script that alerts on bad login attempts
Sun	Optional catch-up or reflection	1–2h	Document scripts, push to GitHub

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☑️ WEEK 2 – *AWS Cloud + Automation (Python + CLI)*

Day	Focus	Time	Task
Mon	AWS IAM, EC2, S3 basics	2h	AWS SkillBuilder Cloud Practitioner review
Tue	AWS Security Services	2h	Learn CloudTrail, Security Groups, GuardDuty
Wed	boto3 (Python AWS SDK)	2h	Install boto3, list EC2s/S3s
Thu	Scripting audits	2h	Script to detect public buckets or unencrypted volumes
Fri	Tools: Prowler or ScoutSuite	2h	Run a scan and analyze results
Sat	Mini Project	2h	Build AWS misconfig detection script
Sun	Optional review	1–2h	Update GitHub, write project README

☑️ WEEK 3 – *Splunk: Searching, Alerts, Dashboards*

Day	Focus	Time	Task
Mon	Splunk Intro + Setup	2h	Install or access Splunk Free
Tue	SPL Basics	2h	Practice searches (`index=main`, `stats`, `eval`)

Day	Focus	Time	Task
Wed	Ingest Logs	2h	Upload sample logs (syslog, auth.log, or AWS logs)
Thu	Alerts + Dashboards	2h	Create alerts on failed logins or keyword matches
Fri	Security Content Repo	2h	Pull a detection from Splunk GitHub
Sat	Mini Project	2h	Build a mini threat detection dashboard
Sun	Optional: Splunk Fundamentals 1 exam	1–2h	Take and complete the free training

☑ WEEK 4 – *Tenable/Nessus + Vulnerability Automation*

Day	Focus	Time	Task
Mon	Nessus Essentials Setup	2h	Install Nessus, scan your local subnet or VM
Tue	Understand Plugins/CVEs	2h	Analyze scan output, research one CVE
Wed	Tenable API intro	2h	Try Tenable API calls in Postman or Python
Thu	Exporting Findings	2h	Write a script to pull scan data (JSON/CSV)
Fri	Correlation w/ Threat Intel	2h	Match CVEs or IPs against AbuseIPDB or Shodan
Sat	Mini Project	2h	Build "Nessus Alert Summary" exporter (daily findings)
Sun	Reflect + push to GitHub	1–2h	Write README, update project logs

☑ WEEK 5 – *CrowdStrike + Threat Hunting Concepts*

Day	Focus	Time	Task
Mon	CrowdStrike Overview	2h	Watch Falcon UI demos + read docs
Tue	Detection Types	2h	Learn how Falcon identifies threats (IOC/behavioral)
Wed	API Concepts	2h	Read API docs or simulate queries with example data
Thu	Blue Team TTPs	2h	MITRE ATT&CK mapping, hunting strategies
Fri	Splunk/Falcon Integration	2h	Study FDR → Splunk repo
Sat	Mini Case Study	2h	Analyze a public breach with CrowdStrike insights
Sun	Update portfolio	1–2h	Add notes, scripts, or summaries to GitHub

☑ WEEK 6 – *Security Automation Projects*

Day	Focus	Time	Task
Mon	Pick Project 1	2h	Define: What problem does it solve? What tools?
Tue	Code Project 1	2h	Start scripting AWS, log, or vuln analysis tool
Wed	Polish & Test	2h	Add error handling, logging, CLI args
Thu	Pick Project 2	2h	Example: Threat Intel → CSV tool
Fri	Code Project 2	2h	Add multithreading or multiple sources
Sat	Polish + README	2h	Document clearly + screenshots
Sun	Reflect	1–2h	What did you learn? Add to resume

☑ WEEK 7 – *Interview, Resume, Cert Prep*

Day	Focus	Time	Task
Mon	Resume Rebuild	2h	Add projects, tools, metrics
Tue	LinkedIn Refresh	2h	Update title, About section, posts
Wed	Interview Questions	2h	Practice AWS/Python/Splunk scenarios
Thu	Mock Interview	2h	Use ChatGPT or friend to simulate interview
Fri	Cert Prep (Optional)	2h	AWS Cloud Practitioner or Splunk Core
Sat	Take practice tests	2h	Time yourself, log weak areas
Sun	Relax + reflect	1–2h	Prep for job hunt next week

☑ WEEK 8 – *Job Search + Networking Push*

Day	Focus	Time	Task
Mon	Build job tracker	2h	Spreadsheet or Notion
Tue	Apply to 5+ jobs	2h	Tailor resumes
Wed	Outreach	2h	Message recruiters, post on LinkedIn
Thu	Interview prep	2h	Deepen knowledge gaps
Fri	Apply to 5 more	2h	Focus on growth-oriented roles
Sat	Rest or catch-up	Optional	Stay balanced
Sun	Reflect	1–2h	Plan the next step forward

🧩 Bonus Tools to Stay Organized

- ☑ **[Notion Template for Study Planning](#)** – I can create a version for you.
- ☑ **[Trello/Asana/ClickUp boards]** – Great for tracking progress visually.
- ☑ **[GitHub Projects or README Dashboard]** – List your active tools/projects + purpose.