

Extracted Course Content

Course Overview



- Duration: **4.5 months** (May 29th, 2025 → mid-October 2025)
- Schedule: **Mon–Thu, 7 AM – 8:30 AM IST** (online, live interactive sessions)
- Recordings: **Lifetime access**
- Focus: DevOps, AWS Cloud, and AI-assisted automation with tools like ChatGPT, GitHub Copilot.
- Goal: Master **CI/CD pipelines, cloud automation, and AI-powered productivity** .
- Source : [link](#)

Key Concepts & Tools

- Linux OS & Shell Scripting
- AWS (EC2, S3, RDS, Lambda, EKS, IAM, VPC, CloudFormation, CloudWatch, Route 53)
- Git & GitHub (Version Control)
- Docker (Containerization)
- Kubernetes (Orchestration)
- Jenkins (CI/CD)
- Ansible (Configuration Management)
- Terraform (Infrastructure as Code)
- SonarQube (Code Quality)
- Prompt Engineering & AI-powered DevOps (ChatGPT, Copilot, Notion AI)

Modules Breakdown

1. Intro to DevOps

- SDLC, Monolith vs Microservices, DevOps culture
- AI tools: ChatGPT & Notion AI for documentation

2. Linux + Scripting + AI for Automation

- Linux basics, Bash scripting
- Use AI to generate/refactor shell scripts

3. AWS Cloud + AI for Cloud Automation

- EC2, S3, RDS, IAM, VPC, Lambda, CloudFormation, CloudWatch
- Use ChatGPT for IAM policies, CLI commands, Lambda code

4. DevOps Tools Part 1

- Git & GitHub (branching, merges, workflows)
- Ansible (playbooks, roles, vault)
- Terraform (HCL, modules, state management)
- AI: Generate configs, troubleshoot errors

5. DevOps Tools Part 2

- Docker (images, Dockerfiles, Compose, Swarm)
- Kubernetes (deployments, autoscaling, Helm, monitoring)
- Jenkins (pipelines, plugins, CI/CD automation)
- SonarQube for code quality
- AI: Generate YAML, Jenkinsfiles, debug pipelines

6. Projects & Interview Prep

- End-to-end real-world DevOps projects
- Documentation with Notion AI
- Interview prep using ChatGPT (mock Q&A, STAR answers, resume tips)

🎯 Outcomes (By the End of the Course)

- Build & manage **production-grade CI/CD pipelines**
- Deploy and automate **AWS cloud infrastructure**
- Leverage **AI for scripting, debugging, and documentation**
- Be **job-ready for DevOps / SRE / Cloud Engineer roles**

🌟 Summary

This **4.5-month online DevOps course (starting May 29, 2025)** trains you in **AWS Cloud, modern DevOps tools, and AI-powered workflows** .

It covers **Linux, AWS, Git/GitHub, Docker, Kubernetes, Jenkins, Ansible, Terraform, SonarQube** , plus **AI-assisted scripting, automation, and documentation** .

You'll work on **hands-on projects** , build **real CI/CD pipelines** , and use AI tools like **ChatGPT, GitHub Copilot, and Notion AI** to accelerate learning.

By the end, you'll be ready for **DevOps, SRE, or Cloud Engineer roles** in companies adopting **AI + DevOps practices** .

devops with AWS :
