

# **Verventech AI/ML Devops Training Program**

Shaping the Top 1% of Technology Professionals

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# Our Vision

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At Verventech, we are dedicated to bridging the gap between academic learning and the rigorous demands of the modern tech industry.

## The Mission

*"To deliver the Top 1% of technology stack to ensure we meet the demanded skillset."*



# High Demand Technology Skills

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Current market trends show explosive growth in these Top 1% Tech Stacks.



# Program Highlights

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## Top 1% Tech Stack

Master the most demanded technologies including AI, ML, and DevOps.



## Expert Mentors

Taught by industry professionals with 10+ years experience, not academics.



## Hands-on Labs

100+ labs and 10+ capstone projects with 24/7 cloud access.



## Career Roadmap

Proper roadmap developed by domain experts including interview preparation.

# Program Details

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## Who Can Join?

- **Freshers:** Eligible regardless of education background, provided you are eager to learn.
- **Career Changers:** Professionals seeking to transition into high-paying AI/ML & DevOps roles.
- **Traditional Developers:** Upskill on MLOps, AIOps, AWS, and modern DevOps practices.



## Duration

# 4.5 Months

Intensive Training

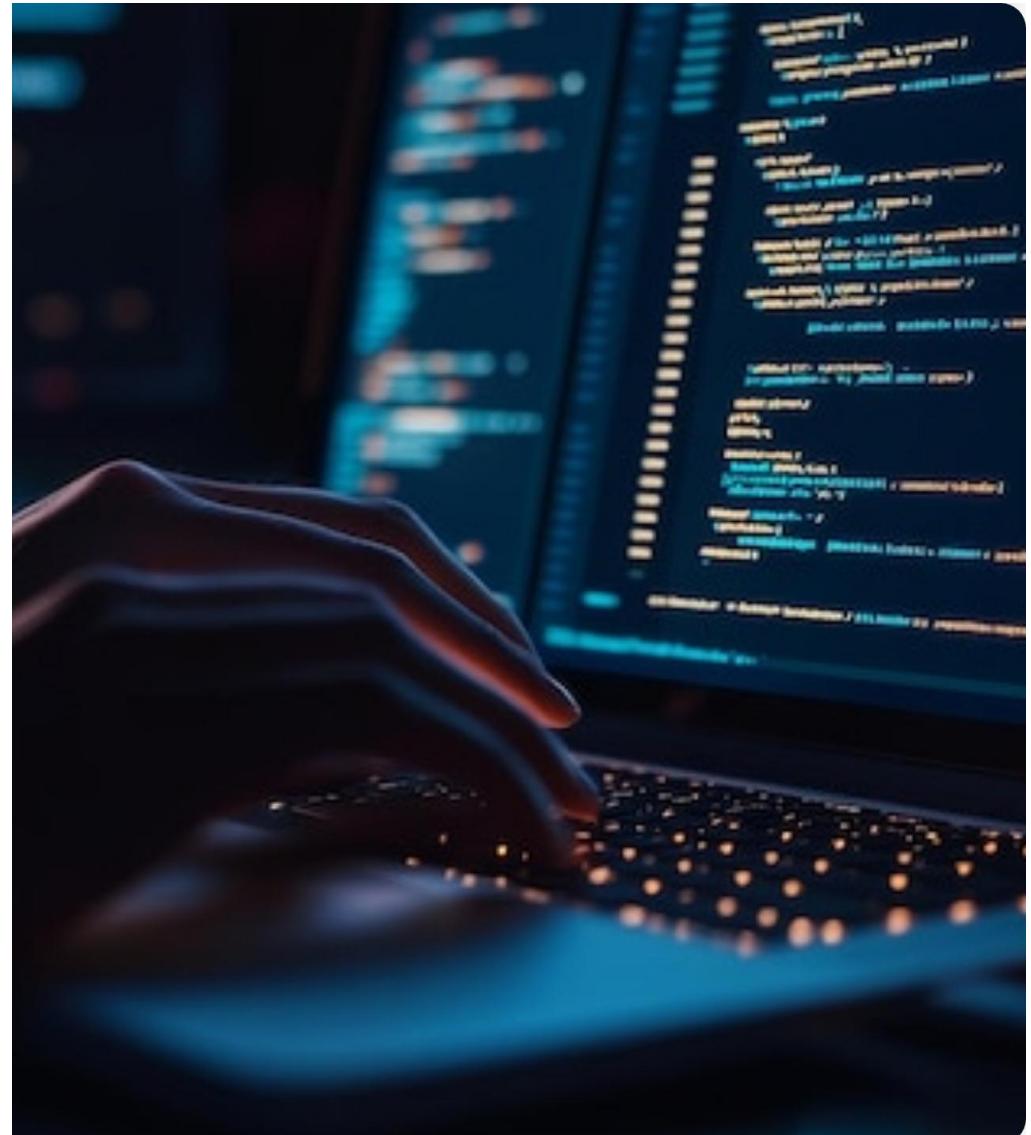
# Key Features

## Practical Focus

90% hands-on labs and 10% theory. We give a real-life developer experience rather than a conventional course completion mindset.

## Industry Veterans

Trainers are strictly from the industry with 10+ years of experience in software, AI/ML, DevOps, Cloud, and SRE.



# Jobs to Target

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AI/ML Engineer

MLOps Engineer

Software Engineer

Backend Engineer

Data Engineer

Cloud Engineer

SRE (Site Reliability)

DevOps Engineer

Infrastructure Eng

Linux Specialist

IaC Specialist

System Administrator

# Tools & Technologies Covered

- **Foundations:** CCNA, Comptia A+, Linux, VMware, Git/Github, Python
- **DevOps & Infra:** Docker, Kubernetes, Terraform, Jenkins, Ansible, Github Actions
- **AI/ML & Data:** Langchain, Hugging-Face, OpenAI, Tensorflow, Scikit-learn
- **Backend & API:** Flask, FastAPI, Postman, PSQL, SQL
- **Cloud & Monitoring:** AWS, Prometheus, Grafana

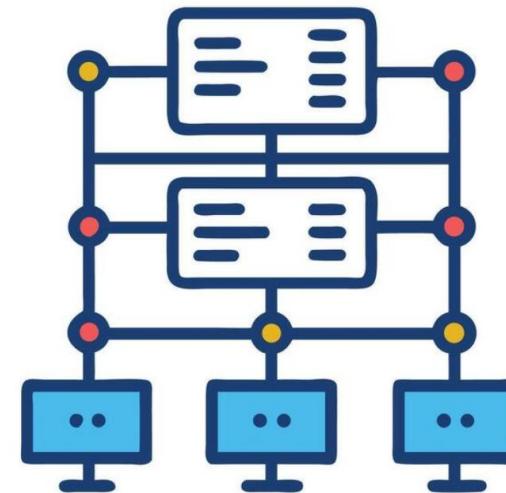


# Module 1: Foundations

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## Building Blocks

- **Comptia A+:** Hardware and software fundamentals.
- **Networking Basics:** Understanding the connectivity backbone.
- **VMware Virtualization:** Creating and managing virtual environments.
- **Python Basics:** Introduction to scripting and programming logic.



# Module 2: AI & ML Core

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## | Automation & Intelligence

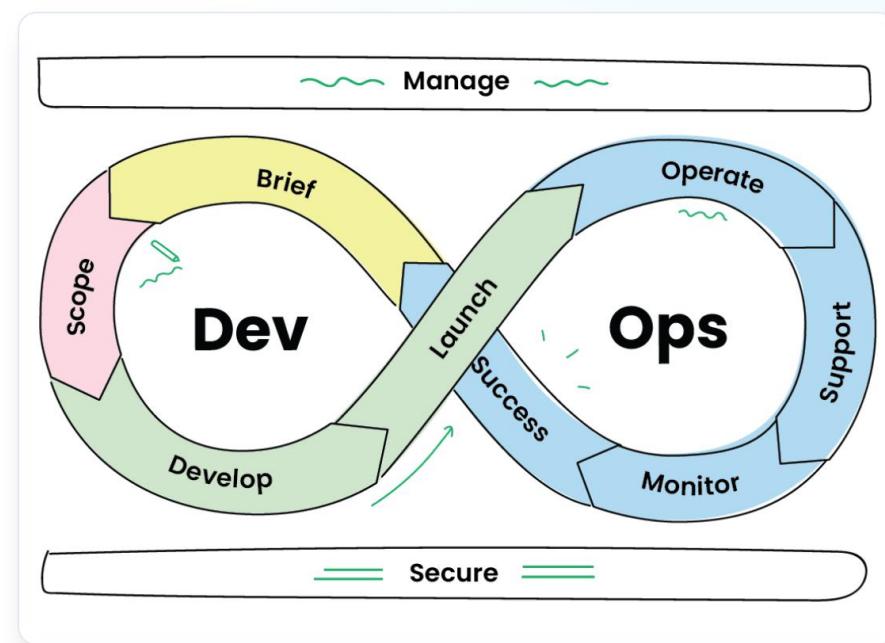
- **Linux & Automation:** Mastery of command line and automation using Bash and Python.
- **AI & ML Fundamentals:** Linear regression, deep learning basics.
- **GenAI & LLMs:** GPT, BERT, and finetuning pre-trained models.
- **Modern AI Tools:** Langchain, Hugging-Face, OpenAI API.
- **Deployment:** Python Flask based application deployment.



# Module 3: DevOps Mastery

## Orchestration & CI/CD

- **Automation:** Ansible configuration management.
- **Containerization:** Docker containerized application deployment.
- **CI/CD Pipelines:** Jenkins for 3-tier apps (Staging to Production).
- **Orchestration:** Kubernetes for AI/ML apps using FastAPI & PSQL.
- **Monitoring:** Full observability using Prometheus and Grafana.



# Module 4: Cloud Transformation

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## | Cloud Native Deployment

- **AWS Essentials:** IAM, EC2, S3, RDS, Lambda, DynamoDB.
- **Full-Stack Deployment:** Deploying complex 3-tier AI/ML applications in the cloud.
- **Production Ready:** Implementation of robust CI/CD pipelines in a cloud environment with integrated monitoring.



# Start Your Journey

Join Verventech today and become part of the Top 1%.

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