DATAXSCHOOL
START YOUR CAREER

DATAXSCHOOL LEARNING CENTRE

START YOUR CAREER

PRACTITIONER-LEVEL PROGRAM · BEGINNER TO PRACTITIONER

DevSecOps & Cloud Security Foundations

A hands-on program introducing DevOps, Linux, networking, cloud security, scripting and modern DevSecOps practices — building a strong foundation for careers in DevOps, Cloud or Cybersecurity engineering.

5 MONTHS · 20 WEEKS | LIVE INSTRUCTOR-LED | HANDS-ON LABS | CAPSTONE SIMULATION

20	8	5	100%
WEEKS · 5 MONTHS	CORE MODULES	HANDS-ON WORKSHOPS	HANDS-ON LABS

CONCEPT → DEMO → PRACTICE → ASSESSMENT · CERTIFICATE OF COMPLETION · 30-DAY POST-TRAINING SUPPORT

ABOUT DATAXSCHOOL

Where Ambition Meets Industry

DataXSchool Learning Centre is a career-focused institution specialising in data, AI and emerging technologies. Our purpose is to close the gap between classroom learning and the reality of a working tech career.

Every programme is built around hands-on labs, real production-grade systems and 1:1 mentorship from senior engineers actively working in the industry. Learners don't just study concepts — they build, break, debug and ship. That is why our graduates walk into interviews able to talk about systems they have actually run, and why hiring partners keep coming back to our campuses.

Our Mission

Equip students with practical skills and real-world experience so they are fully prepared and positioned for successful careers in the software and AI industry.

Our Vision

To be a leading institution that transforms aspiring learners into successful IT professionals, bridging education and employment through innovative, hands-on training.

Our Values

Excellence, integrity and impact. We foster an inclusive community where learners are pushed to build, ship and solve real problems with confidence.

Features of DataXSchool

- Dedicated Placement Support
- Live Practical Training
- Interview Prep & Mock Interviews
- Small Batch Sizes
- Free Communication Skills Lab
- Weekday & Weekend Batches
- Industry Expert Trainers
- Real-Time AI-Era Projects
- Resume & LinkedIn Profile Building
- 1:1 Career Mentorship
- Free Demo & Trial Classes
- ISO 9001:2015 Certified Institution

2000+	95%	₹6L–40L	4
LEARNERS TRAINED	PLACEMENT RATIO	SALARY RANGE	CAMPUSES

COURSE OVERVIEW

Build the Foundation, Secure the Future

This practitioner-level program introduces the foundations of DevOps, Linux, networking, cloud security, scripting and modern DevSecOps practices — structured as Concept → Demo → Practice → Assessment so every module lands as real-world, applicable skill.

20 Wks	3	5	1
LIVE TRAINING	LEARNING PHASES	WORKSHOPS	CAPSTONE PROJECT

DevOps & Cloud Foundations

- Understand the DevOps lifecycle, CI/CD and automation principles
- Comprehend the cloud shared-responsibility model and fundamentals
- Navigate the Linux CLI confidently
- Understand networking basics and application behaviour

Security & Automation

- Apply basic Python/Go scripting for automation and tooling
- Understand the container lifecycle and Kubernetes architecture
- Recognise common misconfigurations and least-privilege practices
- Learn threat-detection approaches and compliance principles

Who This Program Is For

Students & Freshers
Exploring cloud/security careers

DevOps Beginners
Starting your DevOps journey

Software Developers
Transitioning into DevSecOps

IT Professionals
Upskilling into cloud security

✓	✓	✓	✓
BASIC COMPUTER USAGE	NO PRIOR CLOUD/SECURITY EXP.	LAPTOP · 4GB+ RAM VM	WILLINGNESS TO PRACTICE

5-MONTH LEARNING JOURNEY

01 Five Months to DevSecOps Ready

What happens month by month — what you learn and the outcome you walk away with. Every month closes with something practical you can apply on the job.

Month 01 — Weeks 1–4

DevOps Methodology, Networking & Linux

DevOps Lifecycle · CI/CD · TCP/IP · DNS · Linux CLI · Shell Scripting

OUTCOME Confident Linux navigation, networking fundamentals and your first automation scripts.

Month 02 — Weeks 5–8

Python/Go Scripting & Version Control

Python · Go · Data Structures · Git · Branching · CI/CD Flow

OUTCOME Automation tooling built in Python/Go and versioned in Git with a secure flow.

Month 03 — Weeks 9–12

Containers, Orchestration & IaC

Docker · Kubernetes · IaC · Container Security · Lifecycle · Hardening

OUTCOME Containerised apps and a working grasp of Kubernetes architecture and IaC.

Month 04 — Weeks 13–16

DevSecOps Principles & Security Labs

Shift-Left · Secure SDLC · CIS · SOC2 · ISO 27001 · Detection

OUTCOME A DevSecOps mindset applied across hands-on security labs and compliance basics.

Month 05 — Weeks 17–20

Threat Detection, Workshops & Capstone

Log Analysis · SIEM · MITRE ATT&CK · Red Teaming · Remediation · Capstone

OUTCOME An end-to-end cloud/DevSecOps simulation: misconfiguration to detection to remediation.

Finish

Congratulations — You're Practitioner-Ready

Foundation built, hands-on practice logged, and a guided end-to-end DevSecOps simulation completed — ready for DevOps, Cloud or Security roles.

8 Modules · 5 Workshops · 20 Weeks · 1 Capstone

DevSecOps & Cloud Security

LEARNING PATH

Build the skills. **Secure the future.**



01 Linux Fundamentals

- Linux Basics
- File System & Permissions
- User & Process Management
- Shell Scripting

02 Networking Fundamentals

- TCP/IP & OSI Model
- IP Addressing & Subnetting
- DNS, DHCP, VPN
- Troubleshooting Tools

03 Cloud Fundamentals

- Cloud Concepts (AWS)
- IAM & Security
- Compute, Storage, Networking
- Cloud Deployment

04 DevOps Fundamentals

- Git & GitHub
- CI/CD Pipelines
- Containerization (Docker)
- Kubernetes Basics
- Infrastructure as Code (Terraform)

05 Security Fundamentals

- Security Principles
- Threats & Attack Vectors
- Vulnerability Management
- Identity & Access Management

06 Scripting & Automation

- Python for Automation
- Bash Scripting
- Automation Tools
- Real-world Use Cases

07 Container & Kubernetes Security

- Docker Security
- Kubernetes Security
- Image Scanning
- Runtime Security
- Policy as Code

08 Cloud Security & Compliance

- Cloud Security Architecture
- Monitoring & Logging
- Incident Response
- Compliance (CIS, NIST)
- Cloud Security Best Practices

09 DevSecOps Practices

- SAST, DAST & SCA
- Secure CI/CD Pipelines
- Secrets Management
- SBOM & Supply Chain Security
- Shift Left Security

10 AI Security & Emerging Trends

- AI in Cybersecurity
- Security for AI/ML
- Threat Intelligence
- Future Trends

11 Real-World Projects

- End-to-End Implementation
- Hands-on Labs
- Case Studies
- Build Your Portfolio

BECOME A JOB-READY PROFESSIONAL

02 Foundation & Development Phases

FOUNDATION PHASE · 9 HOURS — Build the Base: DevOps, Networking, Linux

M1 DevOps Methodology — 2 HOURS

- DevOps lifecycle & SDLC evolution
- Automation philosophy
- Cultural principles
- Continuous integration
- Collaboration
- Continuous deployment

M2 DevOps, Networking & Applications — 3 HOURS

- Networking fundamentals
- HTTP/HTTPS
- Load balancing
- TCP/IP
- Application deployment patterns
- Scaling concepts
- DNS
- Infrastructure role

M3 Linux & Shell Foundations — 4 HOURS

- Linux CLI basics
- Permissions
- Shell automation
- Navigation
- Process management
- File system hierarchy
- System monitoring

DEVELOPMENT PHASE · 5 HOURS — Code, Automate, Version

M4 Python & Go Refresher — 4 HOURS

- Programming constructs
- Automation workflows
- Data structures
- Scripting for DevOps
- Control flow

M5 Versioning & CI/CD Concepts — 1 HOUR

- Git & version control
- Pipeline concepts
- Branching strategies
- Secure development flow
- Collaboration
- Artifact management

03 Advanced Phase

ADVANCED PHASE · 10 HOURS Containers, Security, Hands-On Exposure

M6 Containers, Orchestration & IaC

2 HOURS

- Docker fundamentals
- Container lifecycle
- Kubernetes architecture
- Infrastructure-as-Code
- Container security best practices

M7 Advanced Learnings

4 HOURS

- DevSecOps mindset
- Shift-left principles
- Security in the SDLC
- Compliance frameworks
- CIS · SOC2 · ISO
- Detection & monitoring

M8 Hands-on Exposure

4 HOURS

- Guided cloud/DevSecOps simulation
- Real-world scenario walkthroughs
- Misconfiguration identification
- Remediation
- Capstone project

HANDS-ON DOMAIN EXPOSURE

04 Five Specialised Workshops

Specialised workshops provide practical, real-world exposure — from Kubernetes hardening and threat hunting to compliance engineering, MITRE ATT&CK mapping and ethical red teaming.

W01 Kubernetes & Cloud Security

4 HOURS

- Cloud misconfigurations overview
- Kubernetes basics & architecture
- Insecure defaults & hardening
- Cloud provider security features

W02 Applied Threat Detection & Hunting

4 HOURS

- Introduction to log analysis
- Cloud monitoring concepts
- Detection mindset development
- SIEM & logging best practices

W03 Compliance Engineering Foundations

4 HOURS

- CIS Benchmarks overview
- SOC2 & ISO 27001 concepts
- Security baselines & standards
- Compliance automation approaches

W04 Code-to-Threat Mapping

4 HOURS

- MITRE ATT&CK framework
- Mapping code flaws to threats
- Security testing fundamentals
- Vulnerability assessment

W05 Red Teaming Fundamentals

4 HOURS

- Adversary simulation concepts
- Misconfiguration exploitation (ethical)
- Defense mapping & response
- Purple team collaboration

20	5	100%	Live
WORKSHOP HOURS	DOMAINS COVERED	HANDS-ON	GUIDED WALKTHROUGHS

LAB ENVIRONMENT & DELIVERY

05 Learn By Doing

Participants work with industry-standard tools and platforms. Detailed lab setup instructions are provided upon enrollment.

Lab Environment

Linux VM
Local or cloud-based development environment

GitHub
Version control and collaboration

Docker Desktop
Containerisation and orchestration

AWS Free Tier
Restricted cloud resource usage (optional)

Open-Source Tools
Security scanners and CLI utilities

Guided Setup
Step-by-step lab configuration and support provided at the start of the program.

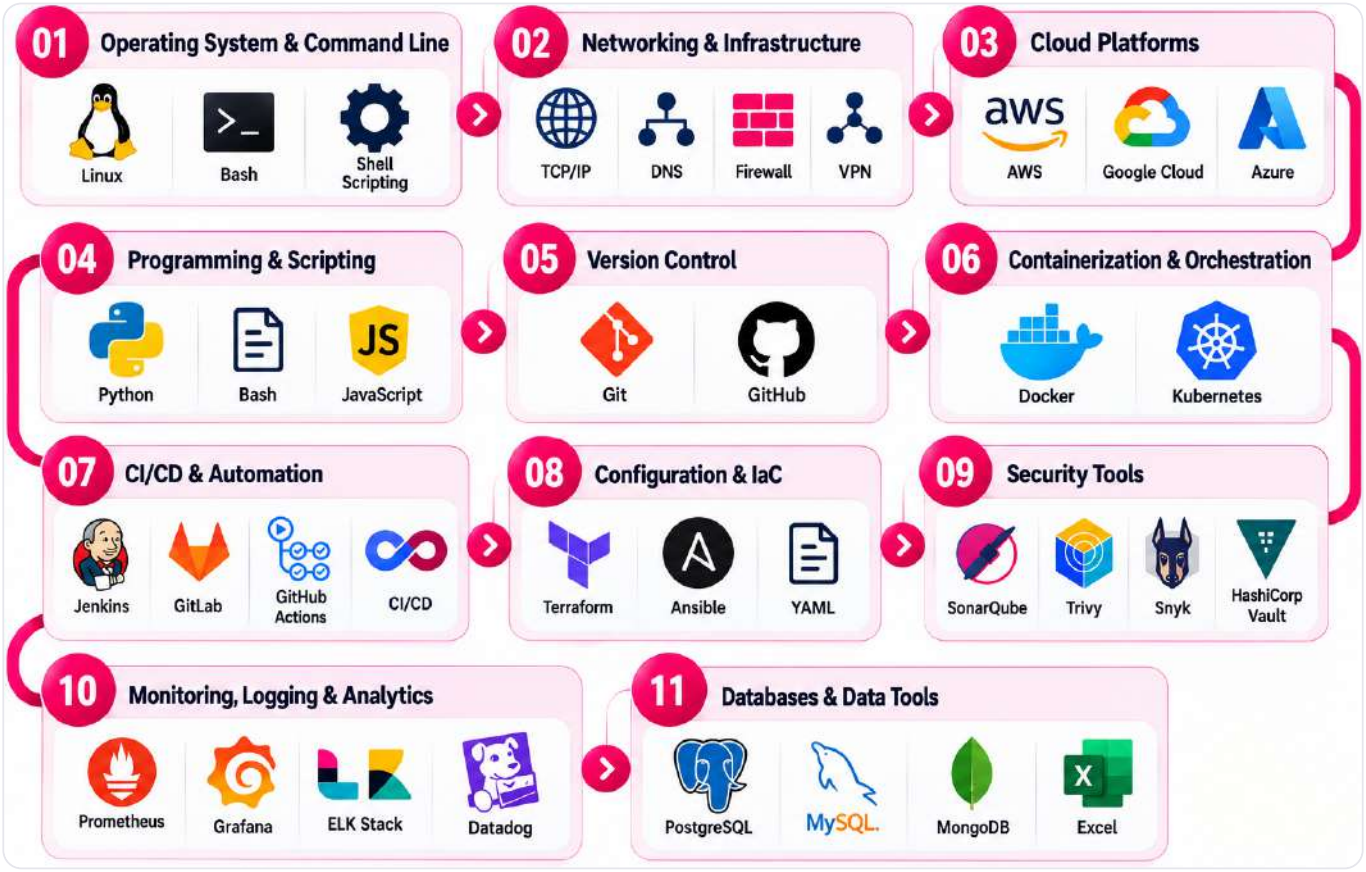
Training Format

- Live online, interactive instructor-led sessions
- Guided hands-on practice with support
- Conceptual demonstrations & real-world walkthroughs
- End-to-end capstone simulation experience

20	30	100%	✓
WEEKS LIVE TRAINING	DAYS POST-TRAINING SUPPORT	HANDS-ON LABS	CERTIFICATE OF COMPLETION

06 The Complete Technology Stack

The industry-standard tools you'll work with across the program — grouped by the job each one does, from OS and networking to CI/CD, security tooling and observability.



MEET YOUR INSTRUCTOR

Trained By Industry, Not Textbooks

Your instructor is a practising security engineer who designs and secures real product and cloud platforms every day — and brings that current tooling, judgement and threat-landscape awareness into every session.



PROGRAM MENTOR

Sonu Preetam

PRODUCT SECURITY ENGINEER · RED HAT · UNITED STATES

Sonu Preetam is an industry-experienced cybersecurity professional specialising in Product Security, DevSecOps, Cloud & Kubernetes Security, Software Supply Chain Security, AI Security and Threat Intelligence. He currently works as a Product Security Engineer at Red Hat and has previously worked with Cast AI, i2CAT (Spain), Santander Consumer Technology Services (Germany) and Barclays Wealth Management (UK). He brings strong practical expertise in secure SDLC, vulnerability management, SAST/DAST, SBOM, cloud security, threat modeling, security automation and compliance. His experience across global technology organisations enables him to provide learners with real-world, industry-focused guidance and hands-on security practices.

CURRENT ROLE

Product Security Engineer, Red Hat

FOCUS

Product Security · DevSecOps · Cloud

GLOBAL EXPERIENCE

USA · Spain · Germany · UK

WORKED AT LEADING GLOBAL ORGANIZATIONS



Areas of Expertise

- DevOps Pipeline Design
- Cloud Security (AWS · Azure · GCP)
- Container & Kubernetes Security
- Security Automation & Compliance
- Threat Detection & Incident Response

Live	1:1	Real	Cont.
INSTRUCTOR-LED SESSIONS	GUIDED SUPPORT	WORLD SCENARIOS	ASSESSMENT & FEEDBACK

INSIDE OUR CAMPUSES

07

Built For Real Practice

Modern, fully-equipped campuses across India — dedicated lab seats, instructor-led classrooms and collaborative spaces. Every learner gets a machine, a mentor and the room to build. Visit any campus and sit in on a live session before you decide.

Bengaluru

Brigade IRV Centre, 9th Floor, Nallurhalli, Whitefield 560066

FLAGSHIP CAMPUS







INSTRUCTOR-LED SESSIONS & COLLABORATIVE WORKSPACES — LIVE BATCHES

Bhubaneswar

Satyakali Residency, N-6/452, Nayapalli, Jayadev Vihar 751015

ODISHA





CLASSROOM & PRACTICE LAB — DEDICATED SEATS, SMALL BATCHES

Berhampur

1st Floor, Jail Road, Lanjipali, Odisha 760008

ODISHA





RECEPTION & LEARNING LAB — 1:1 MENTORSHIP

CAREER SERVICES

08 From Day One to Day You're Hired

Our placement engine is built into the curriculum from week one. You don't graduate and then job-hunt — you graduate already in active interview pipelines, with a portfolio of shipped pipelines behind you.

95%	50+	10+	Free
PLACEMENT RATIO	CAREER WEBINARS	INDUSTRY MENTORS	MOCK INTERVIEWS

1:1 Career Mentoring

Every learner is matched with a senior industry mentor for ongoing guidance — career strategy, technical doubts and salary negotiation.

Assured Interviews

On graduating into our Placement Pool you get guaranteed interview opportunities with top MNCs and high-growth startups.

Resume & LinkedIn

Built and reviewed by industry hiring managers. We rebuild your resume, optimise LinkedIn and clean up your Naukri presence.

Mock Interview Prep

Repeated mock rounds simulating real company loops — SQL, PySpark, system design and behavioural — with detailed feedback.

Hiring Job Fairs

Quarterly campus-style fairs bring recruiters directly to our learners across all four campuses.

Hackathons & Projects

Team hackathons and real client briefs build portfolio depth — the kind of work that actually moves the needle in interviews.

Our Student Placement Companies

Organisations where DataXSchool learners have been placed across programs and campuses.

CLOVER INFOTECH · wipro TECHNOLOGY · ahana SYSTEMS · accenture

INTUTATIVE TECHNOLOGY · HELLO AI · Deloitte. · TATA ELEXI

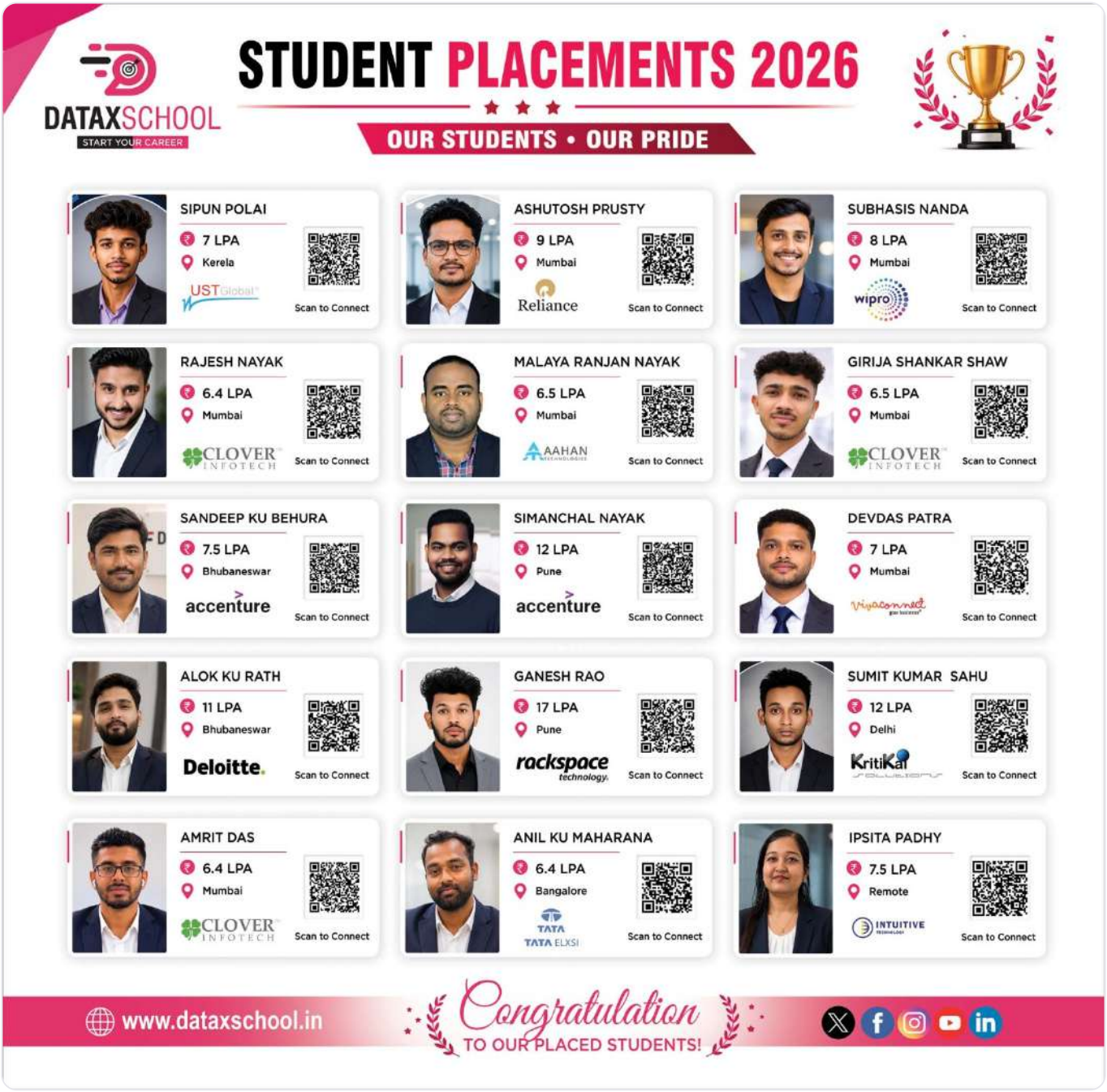
NTT DATA · Tech Mahindra · TCS TATA CONSULTANCY SERVICES · Infosys

IBM · LTIMindtree · rackspace · MAVINIER

OUR STUDENTS · OUR PRIDE

09 Outstanding Placements

2000+	95%	₹6L–40L	Pan-India
LEARNERS	PLACEMENT	SALARY RANGE	REACH



A SELECTION OF RECENT DATAXSCHOOL PLACEMENTS ACROSS PROGRAMS — VERIFIED OFFERS, REAL LEARNERS.

ENROLL · SECURE YOUR FUTURE

10 Ready to Start?

This 5-month program provides the essential knowledge and practical skills needed to succeed in modern DevOps and Cloud Security roles — structured, hands-on learning that bridges theory and practice.

For Individuals

- Build foundational skills in high-demand technologies
- Gain practical, hands-on experience
- Transition into DevOps, Cloud or Security roles
- Certificate of completion on successful participation

For Organizations

- Upskill teams in modern DevSecOps practices
- Improve security awareness across development teams
- Reduce cloud misconfigurations and security incidents
- Foster a culture of continuous learning

What's Included

5 Months Live Training | Lab Environment Access | Course Materials | 30-Day Post-Training Support | Certificate of Completion

ADMISSIONS OPEN 2026 · FREE CONSULTATION

Start Your DevSecOps Journey

Connect with the instructor, schedule a consultation and enroll.

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info@dataxschool.in · www.dataxschool.in

A complete module-by-module breakdown, lab design and technical curriculum are shared after contract finalization to protect intellectual property. This brochure provides a high-level overview; detailed content and advanced topics are disclosed post-engagement.