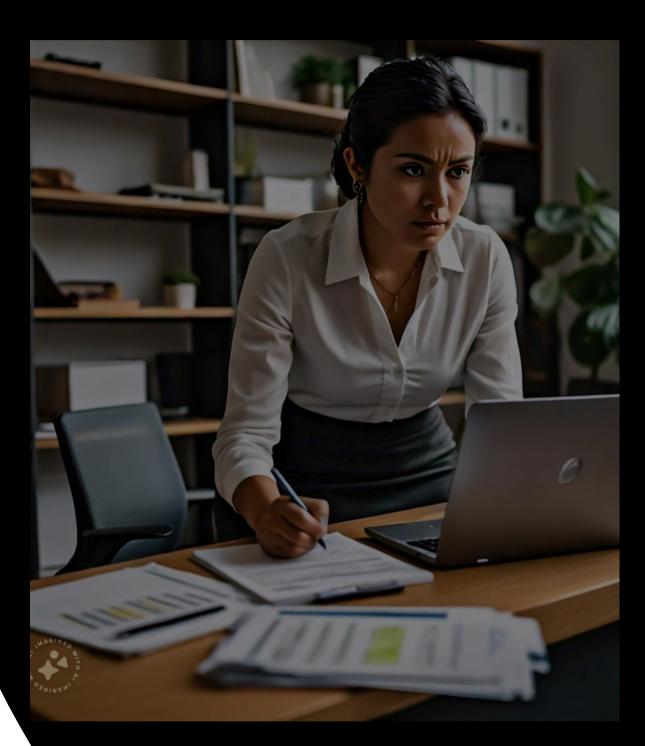






OUR MISSION:



"Our mission is to empower learners worldwide through innovative technology, personalized learning experiences, and accessible educational resources. We strive to cultivate a community where every individual can achieve their full potential, regardless of their background or circumstances."

OUR VALUES:

"To pioneer the future of education by leveraging cutting-edge technology to make learning more engaging, effective, and inclusive. We envision a world where education transcends boundaries, creating opportunities for lifelong learning and fostering a society enriched by knowledge and creativity."

Week 1: Introduction to DevOps

- Day 1-2: Overview of DevOps
 - Introduction to DevOps concepts, principles, and practices.
 - History and evolution of DevOps.
 - Benefits and challenges of DevOps.
- Day 3-4: DevOps Culture and Collaboration
 - Understanding the importance of culture in DevOps.
 - Collaboration and communication strategies.
 - Introduction to Agile and Lean methodologies.
- Day 5: Tools and Technologies
 - Overview of DevOps tools and technologies.
 - Setting up a development environment.

Week 2: Version Control with Git

- Day 1-2: Introduction to Git
 - Basics of version control.
 - Installing and configuring Git.
 - Creating repositories, committing changes, and managing branches.
- Day 3-4: Advanced Git
 - Merging and rebasing.
 - Working with remote repositories (GitHub, GitLab).
 - Handling conflicts and pull requests.
- Day 5: Hands-on Lab
 - Collaborative project using Git.

Week 3: Continuous Integration (CI)

- Day 1-2: Introduction to Continuous Integration
 - CI concepts and best practices.
 - Benefits of CI in the development lifecycle.
- Day 3-4: CI Tools and Setup
 - Overview of CI tools (Jenkins, Travis CI, CircleCI).
 - Setting up a CI pipeline.
 - Hands-on: Configuring Jenkins for a sample project.
- Day 5: CI Best Practices
 - Writing effective CI pipelines.
 - Integration with version control systems.

Week 4: Continuous Deployment and Delivery (CD)

- Day 1-2: Introduction to Continuous Deployment and Delivery
 - CD concepts and best practices.
 - Differences between continuous delivery and continuous deployment.
- Day 3-4: CD Tools and Setup
 - Overview of CD tools (Jenkins, GitLab CI/CD, Spinnaker).
 - Setting up a CD pipeline.
 - Hands-on: Configuring Jenkins for automated deployment.
- Day 5: Deployment Strategies
 - Blue-Green deployments, canary releases, and rolling updates.

Week 5: Infrastructure as Code (IaC)

- Day 1-2: Introduction to IaC
 - IaC concepts and benefits.
 - Tools for IaC (Terraform, Ansible, Chef, Puppet).
- Day 3-4: Terraform Basics
 - Installing and configuring Terraform.
 - Writing and applying Terraform configurations.
 - Hands-on: Provisioning infrastructure with Terraform.
- Day 5: Ansible Basics
 - Installing and configuring Ansible.
 - Writing and running Ansible playbooks.
 - Hands-on: Configuring servers with Ansible.

Week 6: Containerization and Orchestration

- Day 1-2: Introduction to Containers
 - Concepts of containerization.
 - Introduction to Docker.
 - Hands-on: Building and running Docker containers.
- Day 3-4: Docker Advanced
 - Docker Compose for multi-container applications.
 - Docker networking and volumes.
 - Hands-on: Creating and managing multi-container applications.
- Day 5: Kubernetes Basics
 - Introduction to Kubernetes.
 - Kubernetes architecture and components.
 - Hands-on: Deploying applications on a Kubernetes cluster.

Week 7: Monitoring and Logging

- Day 1-2: Introduction to Monitoring and Logging
 - Importance of monitoring and logging in DevOps.
 - Tools for monitoring (Prometheus, Grafana).
- Day 3-4: Monitoring Setup
 - Setting up Prometheus and Grafana.
 - Hands-on: Creating monitoring dashboards.
- Day 5: Logging Setup
 - o Tools for logging (ELK Stack: Elasticsearch, Logstash, Kibana).
 - Hands-on: Setting up and configuring ELK Stack.

Week 8: Security and Final Project

- Day 1-2: DevSecOps
 - Introduction to DevSecOps.
 - Integrating security into the DevOps pipeline.
 - Tools and practices for DevSecOps.
- Day 3-4: Final Project Development
 - Students work on a comprehensive final project that integrates multiple aspects of the curriculum.
- Day 5: Project Presentation and Evaluation
 - Students present their projects.
 - Feedback and evaluation.

Our Partners Company's



























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