

Shehab Mostafa Fahmy

DevOps Engineer | Computer Science Fresh Graduate

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SUMMARY

Aspiring DevOps Engineer and Computer Science graduate with hands-on experience from the Digital Egypt Pioneers Initiative. Driven by a passion for continuous learning and improvement. Known for attention to detail, strong commitment to excellence, and effective collaboration. Eager to apply my skills and grow in a dynamic environment.

EDUCATION

Ain Shams University | Bachelor of Computer Science

Cairo, EG | 2020 – 2024

- Cumulative GPA: 3.52/4.00 (B+)
- Graduation Project Evaluation: A-

EXPERIENCE

Orange Digital Center and Digital Hub | DevOps Intern

January 2025 – Present

Digital Egypt Pioneers Initiative – DEPI | DevOps Trainee

June 2024 – October 2024

Worked within a 5-person team, gaining experience in infrastructure automation and CI/CD pipelines using common DevOps tools.

SKILLS

- Programming and ScriptingC, C#, C++, Java, Python, Bash
- Operating Systems and DatabasesLinux, Windows Forms, MySQL
- Tools and TechnologiesGit, Vagrant, Docker, Kubernetes basics, AWS, Terraform, Jenkins, Ansible, Prometheus basics

PROJECTS

[TA'AM](#) | Graduation Project

Implemented machine learning models in Python and trained them on **Google Colab** to enhance a mobile app for buying and selling used clothes through the mobile camera, while teammates built the app using **Flutter**, **Firestore**, and **FastAPI**. For more information, visit [my GitHub repository](#).

[LAMP Stack Deployment with IaC and Cloud-Based DNS Automation](#) | Infrastructure Automation Practice

Set up a basic LAMP (Linux, Apache, MySQL, PHP) stack to host a PHP-based webpage with database integration. Used **Vagrant** for local deployment, **Terraform** for AWS infrastructure provisioning, and **AWS Route53** for DNS configuration with a purchased domain.

[Automated Jenkins Pipeline for Nexus Repository Deployment on AWS](#) | DEPI Pre-final Project

Automated the installation of Sonatype Nexus repository on an **AWS EC2** instance configured as a **dynamically provisioned Jenkins slave agent**. Used **Ansible** for local playbook execution, **Terraform** for AWS provisioning, and managed pipeline credentials through Jenkins for seamless deployment.

[Automated Multi-Layered AWS Infrastructure with Terraform](#) | DEPI Terraform Course

Deployed a **multi-layered AWS infrastructure** with **Terraform**, including VPC, subnets, ALBs, and EC2 instances, utilizing secure state management in **S3** and **DynamoDB**. Created an **NGINX AMI** from a temporary EC2 instance for backend servers, and an **internal load balancer** and **public proxies** for secure traffic routing. Resources auto-terminate after 10 minutes unless manually stopped.

[Kubernetes CronJob Task](#) | DEPI Kubernetes Course

Set up a CronJob to run a Bash/Python script every 3 minutes, utilizing a **ConfigMap**, **Persistent Volume (PV)**, and **Persistent Volume Claim (PVC)** with hostPath for storage.

[DBMShell](#) | Shell Scripting Project

Developed a database management system using **Bash scripting**, allowing users to store, retrieve, and manage data on the hard disk.

AWARDS

- [3rd Place out of 100+ Teams in the Neural Networks Competition](#)Ain Shams University | 2023
Achieved 86% accuracy with an Arabic Sentiment Analysis model using an LSTM Neural Network.
- [15th Place out of 200+ in the Algorithms Warm-up Competition](#)Ain Shams University | 2023
Accelerated processing using multi-threading to calculate cosine similarity between two documents.
- [34th Team Placement in Programming Problem Solving Contest](#)Ain Shams University | 2021
Competed in the Ain Shams FCI Collegiate Programming Contest held at AASTMT Alexandria.