# Shehab Mostafa Fahmy

DevOps Engineer | Computer Science Fresh Graduate
+201140139198 | shehabmostafa2323@gmail.com | www.shehabfahmy.site
www.linkedin.com/in/shehab-fahmy | www.github.com/ShehabFahmy | Military Status: Exempted

## SUMMARY

Aspiring DevOps Engineer and Computer Science Graduate with hands-on experience from intensive training and real-world projects. Recognized for attention to detail, strong commitment to excellence, and effective collaboration. Passionate about continuous learning, automation, and efficiency in DevOps. Eager to apply my skills and advance 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

**National Telecommunication Institute (NTI)** | *Professional DevSecOps Trainee* **February 2025 – Present**

**Orange Digital Center (ODC) and Digital Hub** | *DevOps Intern* **January 2025 – February 2025**

Gained hands-on experience through mentorship and a final project on CI/CD, containerization, and infrastructure as code.

**Digital Egypt Pioneers Initiative (DEPI)** | *DevOps Trainee* **June 2024 – October 2024**

Collaborated in a 5-person team and gained experience in infrastructure automation and CI/CD pipelines using various DevOps tools.

## SKILLS

- **Programming and Scripting:** C, C#, C++, Java, Python, Bash
- **Operating Systems and Databases:** Linux, SQL
- **Tools and Technologies:** Git, Vagrant, Docker, Kubernetes, AWS, Terraform, Jenkins, Ansible, Prometheus, Grafana (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**, **Firebase**, and **FastAPI**.

**CI/CD Pipeline for a Containerized Python Web Application** | *ODC Final Project*

Built a CI/CD pipeline that triggers a **Jenkins** build whenever a developer pushes code to **GitHub**, using a **webhook** routed through an **Ngrok** tunnel. Jenkins builds a **Docker** image, pushes it to **Docker Hub**, and runs an **Ansible** playbook to deploy the container on two **Vagrant** virtual machines. The process concludes with an **email notification** of the build status.

**LAMP Stack Deployment for Local and Cloud Environments with DNS Configuration** | *Infrastructure Automation Practice*

Set up a basic LAMP (Linux, Apache, MySQL, PHP) stack to host a PHP-based webpage with database integration using manual setup with **Vagrant**, automated provisioning with **Ansible**, and cloud deployment with **Terraform**, **Hostinger**, and **AWS Route53**.

**Automated Jenkins Pipeline for Deploying Nexus Repository on AWS** | *DEPI Pre-final Project*

Automated the installation of Sonatype Nexus repository on an **AWS EC2** instance configured as a **dynamically provisioned Jenkins agent**. Used **Ansible** for local playbook execution, **Terraform** for AWS provisioning, and Jenkins credentials 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, utilized 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 automatically terminate after 10 minutes unless manually stopped.

**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 by up to **50%** using **multi-threading** to calculate cosine similarity between two documents*