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 intensive training and real-world projects. Recognized for attention to detail, strong commitment to excellence, and effective collaboration. Passionate about enhancing productivity, and eager to apply my skills to contribute to the company's success and growth in a dynamic environment.

EDUCATION

Bachelor of Computer Science | *Ain Shams University* — *Cairo, EG* | **October 2020 – July 2024**

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

EXPERIENCE

Professional DevSecOps Trainee | *National Telecommunication Institute (NTI)* — **February 2025 – Present**
Enhanced my DevOps skills by integrating security into automation workflows through mentorship and practical training.

DevOps Intern | *Orange Digital Center (ODC) and Digital Hub* — **January 2025 – February 2025**
Gained hands-on experience through mentorship and a final project on CI/CD, containerization, and infrastructure as code.

DevOps Trainee | *Digital Egypt Pioneers Initiative (DEPI)* — **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 (basic)

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*

- Created virtual machines with **Vagrant** and **VirtualBox**, configuring SSH access and an Ansible user for remote provisioning
- Built a **Jenkins** pipeline to automate **Docker** image creation, pushing, and application deployment using **Ansible** playbooks
- Configured **GitHub Webhook** and used **Ngrok** for local tunneling, triggering Jenkins builds from a remote repository
- Secured deployment secrets with Jenkins credentials and **Ansible Vault**, while enabling **email notifications** for build status

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

- Deployed manually with **Vagrant**, and automated cloud setup with **Terraform**, **Hostinger**, and **AWS Route 53** for DNS
- Automated deployment using **Ansible** and **Vagrant**, leveraging Ansible roles and **Vault** for secure credential management

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

- Provisioned an **AWS EC2** instance as a dynamic agent and a dynamic private key credential through **Jenkins CLI** and **API**
- Orchestrated a pipeline to automate Sonatype Nexus installation on the EC2 instance, seamlessly **switching between agents**

Automated Multi-Layered AWS Infrastructure with Terraform | *DEPI Terraform Practice*

- Deployed **AWS** infrastructure with **Terraform**, using **S3** and **DynamoDB** for secure state management and resource locking
- Created a custom **NGINX AMI** from a temporary **EC2** instance, setting up packages for backend servers in **private subnets**
- Configured external and internal **load balancers**, with EC2 **proxies** forwarding traffic securely between them
- Automated cleanup with **shell scripts**, ensuring **resource termination** after 10 minutes unless manually stopped

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*