

AHMED AYMAN

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EDUCATION

Ain Shams University, Computer Science — *Very Good*

09/2018 - 07/2022

Senior.

- Top 10 in SP projects competition in my first year.
- Worked on multiple projects as a team/individual.
- Courses OOP, DS, Algorithms, OS, SWE, DBMS, ML, NN, Archi.

VOLUNTEER EXPERIENCE

NAID Assistive Technologies - DevOps Track Internship

08/2021 - 11/2021

- Discuss DevOps, Agile, and Microservices methodologies..
- Hands-on experience with containers, cloud, CI/CD, Linux, Version Control.
- Tools : AWS, Jenkins, Docker, Linux, Git & GitHub.

OSC — Head of Linux Committee

08/2020 - 09/2021

- Practice & Discuss DevOps, and Cyber Security topics regularly.
- Administrating OSC Website using DevOps Methodologies.
- Instructor at events including [Get-to-Git](#) and [Linux'21 Talk](#).
- Documenting [Study Sessions](#).
- Conducted +30 Technical Interviews.

OSC — OSCCTF'1 Creator

08/2021

OSCCTF'1 is the first CTF event for FCIS-ASU students.

- Deployed CTFd Platform on Digital Ocean.
- Created Cyber Security Challenges & Managed Onsite Competition.

OSC — Instructor in Docker/Linux Workshops

09/2019 - PRESENT

- Explained and Documented Docker concepts for +40 student.
- Teaching Linux Concepts annually for +50 students a year.

SKILLS

Linux-System-Administration Git Jenkins
GitHub-Actions Docker Docker-Compose
Kubernetes AWS Digital-Ocean Ansible
Programming Automation-Scripting Bash
Python Quick-Learner Leadership
Technical-Writing SQL DB-Design C# OOP
Data-structures Problem-Solving Algorithms
Assembly Cyber-Security-Basics Tensorflow

PROJECTS

MUSHEER

AI Powered Virtual Arabic Sign Language Tutor
Graduation Project.

Gamified android solution acts as an interactive ArSL teacher, Qualified to phase-2 in Dell's Envision The Future Competition.

- Realtime dynamic ArSL recognition DL model.
- 3D Animated character to teach the signs.

Einstein English AI

English Learning site - Freelance Project.

- Developed the frontend & backend API using Node.js, and Express.
- Utilized AWS Polly, & OpenAI APIs.
- Containerized the application using docker & docker-compose.
- Deployed a beta version on Heroku.

SHRINK

Psychiatric Services Website - Freelancing Project.

- Containerized the application using docker.
- Built a CI pipeline using Github-Actions.
- Deployed the flask-postgres-nginx stack on Digital-Ocean using docker-compose.

JOURNEYS

DevOps Journey

Documenting my journey in learning DevOps concepts and tools in forms of articles on my personal blog, so far including:

- SDLC, Intro to DevOps, Intro to CI/CD, and Intro to Jenkins.
- Complete deep dive series into docker.
- Container Orchestration with K8s in progress series.

100-Days-of-LeetCode

Practicing my coding skills by solving LeetCode Algorithms, Database, Shell, and Concurrency problems everyday, and sharing my solutions.

Tools : C#, C++, BASH, Oracle-SQL.

LANGUAGES

ARABIC - Native

ENGLISH - Very Good.

OSCGEEKS

OSC Official Website. 

- Containerized the application using docker.
- Deployed the LEMP stack on Digital-Ocean using docker-compose.

GOVIOLIN

Violin Practice Website. 

- Containerized the application using docker.
- Built a CI/CD pipeline using Jenkins.
- Deployed GO app on K8s Cluster.

Tiny Git

Simplified version of git. 

- Simplified version of Git with only the basic functionalities to gain better understanding of git internals using python.

Graph Algorithms Visualizer

Website visualizing several graph algorithms. 

- Visualization of BFS, DFS, Random Search.

Ciphering System

Desktop Application. 

- System Implementing 6 Ciphering Techniques Including their Encryption and Decryption Algorithms applying all OOP Concepts, using JAVA

Visualized Sudoku Generator & Solver

Desktop Application. 

- Using DFS and Backtracking algorithms.
- Java, Processing Framework.

Linux Commands API

Web API. 

- Full WebAPI for Linux commands using ASP.NET & SQLITE applying dependency injection concepts and DTOs.

Simple Language Interpreter

Interpreter. 

- Interpreter for BF programming language.