



Nada Adel Ali Ibrahim Zayed

Work Experience

Graduate Teaching Assistant

College of Computing and Information Technology,
Arab Academy for Science, Technology and Maritime Transport,
October 2020 - Present

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15 Mohamed Masood st. Wabour
AlMeyah.
Alexandria, Egypt.

Education

Master of Science in Computer Science

Brookes Oxford University, United Kingdom
ICCBDC 2024

Bachelor's degree in Computer Science

Arab Academy for Science, Technology and Maritime Transport,
September 2016 - September 2020
Major in Computer Science
Minor in Computer graphics and Multimedia
GPA 3.88 (Excellent) First Class with Honors

Lycee francais d'Alexandrie High School

English department
September 2010 - September 2016

Languages

Arabic: Native
English: C1 (IELTS Certified)
Deutsch: A1

Programming Languages and Scripting

- Java, C, Python, Flutter (Dart), HTML, CSS and JavaScript
- Bash scripting
- Linux System Administration

Software Engineering

- Agile & Scrum methodologies, project management
- Version control: Git

Distributed Web Services

Hadoop and AWS

Containers

Docker

Databases

- MySQL
- Firebase

Graphic Design

Unity, Blender, Adobe Photoshop, Adobe Illustrator, Adobe After Effects, Adobe Dreamweaver, Adobe InDesign, Adobe Audition, Adobe Premiere, Adobe Animate.

Internships

- 2024** DevOps Bootcamp, **Sprints**
 - 2022** Full-Stack developer, **One Million Arab Coders Initiative**
 - 2021** Web development challenger, **Egypt FWD Initiative by ITIDA**
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Projects

Dynamic Replication Policy in HDFS using ML | Developing a novel approach to leverage Machine Learning techniques with a distributed system to assess the significance of files, leading to their categorization into distinct groups. Subsequently, tailored replication policies are applied to each group, aiming to minimize storage consumption, enhance read and write operations efficiency, and uphold the availability and reliability of the HDFS system.

Developed and maintained using: Hadoop HDFS, AWS cluster with Ubuntu server LTS, K-Means Clustering Technique and Gradient Boosting Classifier.

WeCare Mobile and Wear Applications | Leading the development team which provides automated solution for emergency cases within daily life activities through detection of vital disorder, falls and car accidents with high speed.

Developed and maintained using: Java(android), Google fit API, Firebase/Firestore, Google maps API, Google cloud platform service, HTML/CSS and Javascript.