

Alaa Abd Elfattah Abd Elmotti Orabi

Cairo - Egypt

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Professional Profile

- Experienced Application Architect with expertise in Java technologies (Servlet, JSP, Hibernate), Spring, and JSF.
- Proficient in PHP, Python, and database design (Oracle, MySQL).
- Skilled in machine learning, computer vision, and software engineering principles.
- Strong background in DevOps, including CI/CD, Ansible, and Terraform.
- Excellent problem-solving skills, quick learner, and able to work effectively under pressure.

Career Summary

11 / 2020– Now Application Architect at Digital Transformation Sector

- Collaborated with stakeholders to translate business requirements into technical solutions. –
- Designed software architecture to meet business needs.
- Led development teams, ensuring adherence to best practices and quality standards. –
- Developed applications using Java Spring Boot, PHP, Node.js, and MySQL.
- System admin for Electronic Archiving System.

5 / 2024– Now DevOps Engineer Trainee at DEPI

- Managed version control systems (Git).
- Implemented CI/CD pipelines using Jenkins.
- Configured management tools like Ansible.
- Familiar with IaC tools such as Terraform and AWS CloudFormation.

10 / 2023– 5/2024 Project Lead , Meeting Room Reservation System (Oct 2023 – May 2024)

complete web application that facilitates the scheduling of meetings in different rooms within an organization to avoid conflict in Rooms reservation. It includes features such as room reservation, capacity management, and notifications for security and HR personnel.

Technologies Used:

Frontend: HTML, Bootstrap, JavaScript and jQuery .

Backend: PHP, MySQL database

Integration: AJAX for asynchronous communication between the frontend and backend.

Project flow:

1-Users log in and access the meeting scheduler form.

2-when Users enter reservation data the available rooms displayed depend on input data within same form using ajax (no need to refresh web page).

3-The system checks the capacity of the selected room to ensure it can accommodate the number of participants.

4-Notifications are sent to security and HR personnel for schedules that have not been seen.

5-Administrators can view, edit, and delete meeting schedules through a dashboard.

6-The system is periodically checked for unseen schedules, and notifications are sent accordingly.

6/2022–3/2023 Scientific Researcher at NAASAC Applied Systems Analysis and Design Diploma

- Study and practice into 7 courses

1- System thinking

2- Foresight and Scenario Writing

3-Basics of Applied Statistics techniques

4-Modeling complex systems

5-System dynamics

6-Social network analysis

7-From Science to Policy

- Apply 7 courses on Climate Change Problem .Research Name (The impact of Renewable energy and modern technology on climate change problem)

5/2020– 10/2020 Publish paper in my master research (Egyptian Banknote Recognition for Blind People)

- Paper title (Banknote Recognition System for Visually Impaired People)

• My paper has published in Journal of Al-Azhar Engineering sector.

- The developed system can recognize banknote in all geometric transformation (scaling, rotation, translation, shearing) and all lightning effects.

- The system is validated by using dataset which contains 1200 images.
- The underlying image dataset has been divided into five main categories (clear , rotated, noisy, folded and old images).
- The system is tested and the recognition accuracy is 93% in all categories.

11 / 2017– 11/2019 Teaching Assistant (at Al-azhar Unvierisity, Faculty of Engineering, Computes and systems department)

Help faculty students in the below subjects

- 1-Laboratories (Embedded systems- Software- Networks)
- 2- OOP
- 3- Programming fundamentals
- 4- Computer Architecture
- 5-SW Engineering
- 6-Computer Architecture
- 7-Digital Control

11 / 2017– 11/2020 Java Software Developer (at Etisalat Misr)

- Java developer at subscription development Team
- Responsibilities:
Develop and maintain applications that:
 - 1-fulfill customers' orders
 - 2- Hold Etisalat business/technical product catalogue
 - 3- Facilitate integration with IN, Billing, Voucher, Network nodes, Siebel, etc.
 - 4- Handle the backend logic of Etisalat mobile applications.

8 / 2017– 9 / 2017 Online voting System

complete system to help students to vote for the best programming language(Specific topic)

- We can also register the student data
- We can also register voting transaction and display statistics of voting
- Our system with jsp , servlet ,Mysql database, restful Web service
- Our system with MVC Design pattern

10 / 2016– 6 / 2017 Egyptian Currency Recognition For Blind People (Graduation project) Mobile Application

(E3rfly) complete system to help blind people to recolonize the value of the currency (grade: Excellent)

7 / 2016– 9 / 2016 Software for MCC(Mission Control Center) of the satellite (NARSS Training)

- complete system to organize data which comes from satellite
- We used Client-Server and multithreading Techniques
- Our system with java technology and oracle database

2 / 2017– 6 / 2017 Nozom Library Management System(Web Application)

- complete system to make automated system for control books and Thesis in our Library of the college (CRUD for book and Thesis)
- We can also register the borrowing or return process
- Our system with jsp technology and My sql database

7 / 2015– 9 / 2015 WorkLight Cross platform (at IBM)

- We can make application works in different platforms such as(Android-IOS-Windows)

Education

- **Master's degree:** Computers and Systems Engineering (2022) –Computer Vision Field and my thesis about (Egyptian Banknote Recognition For Visually Impaired People).
- Complete pre-master courses (AI Applications- Software Engineering- Pattern Recognition- Reliability System- Digital Control)
- **B.Sc:** Computer Engineering (2017) Al-Azhar University, Egypt -**Overall grade: Excellent with honour (88.882%)**

Professional Development

- **Python** (Computer vision /machine learning – Master Thesis -June 2020).
- **Problem Solving** (java-Codality -March 2020).
- **PLSQL** (Self Study – August 2015).
- **Summer training** at IBM (August 2015) in (WorkLight Cross platform).
- **Summer training** at NARSS station (August 2016) in Esp(Software for MCC of satellite)
- **Summer school** in faculty of engineering Al-Azhar university (July 2014).
- **PHP (Nozom Overflow)** Azcens Competition (April 2015)

- **Programming Raspberry Pi: Pedestrian Crossing(Traffic Light System)**

Additional Information

Nationality: Egyptian
Languages: Native Arabic, Fluent English
Marital Status: Married.
Date of Birth: 1/12/1993
Own Car No

References: available on request



18/5/2022



HH0198479

(شهادة مؤقتة)

بالإطلاع على قرار مجلس كلية الهندسة بنين بالقاهرة الصادر بتاريخ: ٢٦ شعبان ١٤٤٣ هـ الموافق: ٢٩/٣/٢٠٢٢ م ومجلس الجامعة الصادر بتاريخ: ٢٦ شوال ١٤٤٣ هـ الموافق: ٢٧ / ٥ / ٢٠٢٢ م .

تم منح السيدة :

(ألاء عبدالفتاح عبدالمعطي عرابي)

وجنسياتها : مصرية - المولودة في : القاهرة بتاريخ: ١٩٩٣/١٢/١ م
الرقم القومي / ١٠٨٧٢٢ / ١٠١٠١٢٠١٢٠٢٩٣ جواز سفر: -----
درجة التخصّص (الماجستير) في هندسة النظم والحاسبات
موضوع الرسالة:

" التعرف على العملات المصرية لغير المبصرين "

وتحررت هذه الشهادة بناءً على طلبها لتقديمها إلى من يهمه الأمر.
وقد قامت المذكورة بسداد رسوم الشهادة بالقسيمة رقم (١٣٢٢/٥٦٧٢٥٩)
بتاريخ : ٤ / ٦ / ٢٠٢٢ م

وعلى الجهة المقدم إليها هذه الشهادة التحقق من أن مقدمتها هي صاحبة الشهادة.

المختص رئيس القسم مدير عام الكلية عميد الكلية
د. محمد أحمد مهني





NAASAC
مركز شمال أفريقيا لتطبيق تحليلات النظم
North Africa Applied Systems Analysis Center

CERTIFICATE of Achievement

This is to certify that

Ms. Alaa Abdelfattah Abdelmotti Orabi

has successfully completed Applied Systems Analysis Diploma

June 2022- March 2023



Prof. Ashraf EL Araby

President of Institute of National Planning



HH0306450

جامعة الأزهر
كلية الهندسة بنات بالقاهرة



1/12/2020

شهادة مؤقته

تشهد الكلية بان الطالب / الام عبد الفتاح عبد المعطى عربى

المولود بتاريخ 1993/12/01 جهة الميلاد القاهرة الجنسية المصرية

بطاقة / جواز سفر رقم 29312010108722 صادرة من القاهرة بتاريخ 2019/11

حاصل على درجة الإجازة العالية (البكالوريوس) فى هندسة النظم والحاسبات
شعبة / -----
سنة 2016 - 2017 دور مايو

ومجموعه التراكمى خلال سنوات الدراسة بالكلية 6044 فقط بتقدير عام // امتياز مع مرتبة الشرف//
بنسبة مئوية 88.88% 6800

اسم المشروع "التعرف على العملات المصرية" تقديرة ممتاز

وقد اعتمدت نتيجة الطالب من مجلس الكلية بتاريخ 2017/07/10

ومجلس الجامعة بتاريخ 2017/07/15

سند الرسوم بالقسيمة رقم 770247 مجموعة 1265 بتاريخ 2020/12/15

تحريراً فى 2020/12/15

يعتمد
مدير الكلية
جامعة الأزهر عميد الكلية

مدير شئون الخريجين

شئون الخريجين



2020
2020/12/15
05611

