Abdelrahman Habib CV

Particulars

Full Name	Abdelrahman Usama Gabr Abdou Habib	Date of Birth	1st July 1999
E-mail	abdel-habib@outlook.com	Mobile Number	+966 54 092 0598

Education

Sept 2022 – July 2024

MSc. Medical Imaging and Applications, Université de Bourgogne (France), University of Cassino (Italy), University of Girona (Spain)

Core Technical Courses

Image Processing, Digital Signal Processing, Software Engineering, Applied Mathematics, Sensors and Digitization, Machine and Deep Learning, Introduction to Robotics, Statistical Learning, Distributed Programming and Networking, Advanced Image Analysis, Medical Image Registration, Medical Image Segmentation, Computer Aided Surgery and Medical Robotics, Computer Aided Diagnosis, eHealth, MSc Thesis.

Thesis Topic: Automated Mammography Reporting through Image-to-Text Translation.

May 2023 – July 2023

Oxford ML Summer School, Oxford Mathematical Institute, United Kingdom

Attended and completed ML x Health summer school track in-person and ML x Fundamentals & Cases, total of 43 hours of lectures on advanced topics in ML theory and its applications in health.

Aug 2021 – Nov 2021

AI for Healthcare Nanodegree, Udacity

Graduated from the program with completing all four projects.

Sept 2017 – April 2022

Biomedical Engineering, Universiti Teknologi Malaysia, Malaysia

1. First Class Honors in Biomedical Engineering; cGPA 3.91/4.00.
2. Received dean list certificate for every semester.

Work Experience

Feb 2024 – July 2024

AI Research Intern, ScreenPoint Medical, Netherlands

1. Research, data preparation, and development of master thesis project titled as: "Automated Mammography Reporting through Image-to-Text Translation", using both image-label and exam-report, medical image, and text datasets.

Sept 2022 – Mar 2023

Full Stack Engineer – AI Team (Part-time), DoctorOnCall, Malaysia

1. Gathered and addressed technical and design requirements.
2. Lead several machine learning projects through research and development, and mentored interns.
3. Conduct training sessions for team members on AI & ML end-to-end development.
4. Actively participate in development and deployment for multiple projects including marketplace, e-pharmacy, dashboards, and AI solutions.
5. Perform code reviews and refactor to improve code-base quality and scalability.

Mar 2022 – Sept 2022

Junior Developer, DoctorOnCall, Malaysia

1. Participate in research, designing, and development of different applications.
2. Maintained databases and lead all healthcare AI-related platforms.
3. Participated in national and international competitions.

June 2020 – Mar 2022	**AI & Technology Intern, DoctorOnCall, Malaysia**

1. Accelerated the company development plan and increased the performance by optimizing the codebase and conducting training sessions.
2. Applied ML/DL knowledge in developing world-class and national-level winning projects.
3. Gained knowledge in designing chatbots, automated testing, Robotic Process Automation (RPA), web development, UI/UX design, system architecture design, different cloud service providers, as well as business and public speaking.

May 2019 – July 2019	**Biomedical Engineering Intern, King Saud Medical City (KSMC), Saudi Arabia**

1. Acquired knowledge about medical devices maintenance and equipment.
2. Gained practical experience on various medical devices across different departments (radiation, dialysis, ICU).

Digital Capabilities & Experience

Cloud	Google Cloud Platform, Amazon AWS, Heroku Cloud, Firebase
Database	NoSQL, PostgreSQL, Firebase Firestore, Redis
Frontend	HTLM, CSS, JavaScript, NextJS, EJS
Backend	NodeJS, ExpressJS, Flask
Mobile Apps	Java for Android Development
Microprocessor	C, C++
Statistical/Analysis	R language, MATLAB
Machine/Deep Learning	Python, PyTorch, Tensorflow
Project Management	Jira, Confluence

Global and National Awards

2023   Acquisis International Mobility Grant – Region Bourgogne Franche Comte (RBFC).

2022   Awarded Erasmus Mundus Joint Master's Degree (EMJMD) Scholarship.

2022   1st Place – Global United Nations AI For Good Challenge 2022 for Healthcare AI.

2021   Awarded "Dreamcatcher Best Demo Award" – Innovative Malaysia Design Competition (IMDC).

2021   2nd Runner Up – AWS Technology Track in Innovative Malaysia Design Competition (IMDC).

2020   Awarded "TGL Best Demo Video Award" – TheGreatLab | TGL.

2020   2nd Runner Up – Chipta Hackathon.

Voluntary and Self Development Activities

2019   Volunteered in planning an international program in University of Batam, Indonesia.

2019   Planned an industrial visit to MJIIT & PROTON HICOM Factory.

2018   Planned 'Z-Gen Speakers Public Speaking Challenge' for a 100 primary and secondary school.

2018   Volunteered as Head of Multimedia department International Student Society – UTM.

2018   Selected as Head of Multimedia department International Student Society – Egypt.

2017   Joined UTM Toastmasters International and awarded the "The Most Dynamic Ace" member.

Patents/Copyrights

LY2022J06501   Copyright of "MOBILE APP SOURCE CODE FOR 6-MIN WALK TEST MONITORING" – Malaysia MyIPO — Filing Date: 28/12/2022.

Languages

English   Fluent in spoken and written English, C1 IELTS level.

Arabic   Native command in spoken and written Arabic.