

ASMAA GAMAL NAGY

+(20) 01124542122 ◇ Alexandria, Egypt

asmaagamal.nagy@gmail.com ◇ <https://www.linkedin.com/in/asmaa-nagy/>

PROJECTS

<https://github.com/AsmaaJAH>

EDUCATION

Fresh-Graduate Engineer, Communication and Electronics Department, Faculty of Engineering, Alexandria University.

GPA: 4, Last Two Years Avg GPA: 3.55, CGPA: 3.1

JUNE 2024

SKILLS

Fundamentals	OOP, Data Structures and Algorithms, Design patterns, SOLID principles, OS, Database, Web Security Basics.
Languages	Dart, C/C++, Python, Java, HTML/CSS, UML, SQL, DML, ERD, MATLAB.
FrameWorks	Flutter, MySQL, WireShark ,PhotoShop CS6.
Libraries	Flutter Packages, OpenCV, Matplotlib, Scikit Learn, PyTorch, NumPy, Keras.
SW Tools	Git, Eclipse, PyCharm, Colab, Visual Studio Code, Android Studio, WordPress, MySQL, Figma, Bitbucket, Slack, MS Office and Master ICDL, AutoCad.
HW Tools	Arduino, PCB designing using: Altium, Proteus.
Simulation Tools	Cisco Packet Tracer, Multisim, Modelsim, LabVIEW.
Soft Skills	Problem Solving, Prioritizing, Creativity, Presentation skills, Straightforwardness.

EXPERIENCE

SW Intern at Inova

July 2023 - Oct 2023

Inova LLC - Mobile and Web Development Corporation in Alexandria EG, UAE, KSA.

- Front-end using Flutter and Dart in developing Android and IOS mobile apps.
- Back-end using Firebase, Firestore, and postman-APIs.
- Integration teamwork collaborates the project managers, UX/UI designers team, back-end database team, and Flutter team with virtual and physical work meetings.
- Meet tasks deadlines using Native features, Flutter packages, and common platforms , like: Firebase, Bitbucket, Figma, Postman, and Slack.

SW Intern at AIT

Aug 2022 - Sep 2022

AIT systems Corporation for web design, cloud hosting and development services.

- Web development, security, visual design, and mobile app in the SPS smart parking system project.
- Coordinating with AASTMT, ITIDA ,and Alex Uni. using: (Flutter WebView, MySQL, PHP, Laravel, WordPress, CcTalk protocol, MQTT protocol, Node-RED) in the SW part and (AWS clouding servers, PV cells, Raspberry Pi, and coin and cash acceptors, additional larger display Screen) in the HW part.

GRIP Graduate Rotational Internship Program

Feb 2022 - April 2022

Remotely,at The Sparks Foundation, India and Singapore

- Python codes to collect, analyze data, Building machine and tuning models, Using BI tools such as Tableau

IT and Network intern

Sep 2021

AMOC "Alexandria Mineral Oils Corporate"

- Two Weeks intern at the SW and Network Department

Academic Visit

Jan 2020

The main Alexandrian Central of WE company.

- Monitored and Troubleshooted for Networks and Servers

Repairing and Maintenance Trainee

2019

"TARGET" For Importing and Exporting Electronic Devices.

- Responsibility for the HW and SW Repairing and Maintenance of the imported electronics devices.

Technical Training

2018

Etisalat office "the Arab Group".

- Responsibility for the office system administration.

A trainer and main Researcher in the “BCI and EMG using EEG technique” review paper

2017

PHD-17 Team2, A Plus association.

- Our team won first place in this student activity.

Full Scholarship To study STEM As Foundation Courses

2015 - 2016

Zewail City for Science and Technology

- Won 4th place in ZCSF fair and conference, 2015, in the category of College students' scientific proposals, although I was still in secondary school.

Electric Training For The Robotics Team in YESBU and LYM

2014 - 2015

Bibliotheca Alexandria

- SW and HW preparation for the ROV submarine team.

Six weeks Of C++ Language Training

2014

The Arab Academy for Science, Technology and Maritime Transport (AASTMT)

- Prepared for the ACM and IOI (International Olympiad in Informatics for secondary school students).

WORK HISTORY

Technical Help Desk support: Al Nasr Company

2017 - 2018

- Secretary responsible of: market research, Excel data analysis, technical help desk, and products advertisements.

Junior Remotely Translator: Freelancer for Direct Aid Organization

2018 - 2019

- Remotely translated written Arabic Islamic books into English to help African Muslims.

EXTRA-CURRICULAR ACTIVITIES

- A member of IEEE Solid-State Circuits Society Alex Students' Chapter, Machine learning team, 2020 - 2023.
- A software and AI trainee at Torpedo technical team in FOE, Alex Uni in 2021.
- Participated in AI and ML summer sessions (offered by: CSE department, Faculty of Engineering, Alex.Uni.)
- Certificated after finishing the tasks of the Machine Learning course offered by Stanford University.
- A Participant in PCB sessions at Alex Engineers Syndicate.
- A participant in E-Web school sessions in E-Web students' chapter, a volunteer at Resala organization from 2013 until now, and a member at the Naqaa network of Nanotechnology in 2014.
- Participated in ICNLP presentation skills sessions including using (Photoshop CS6) and (Filmora Video Editing).
- A researcher in the “Science Geeks” project in Bibliotheca Alexandria for the scientific theater in 2015.
- An active participant in YESBU in Bibliotheca Alexandria and the LYM from 2014 until the end of 2015.
- Teaching “Quran and the biographies of Sahabah”, creating innovative educational games for the junior.
- Initiatives: founder of the “Change Lives “ association aimed at better education by sharing jobs and scholarships.

LANGUAGES

- Arabic: Native.
- English: Professional Proficiency (510 in ITP TOEFL).
- German: Intermediate Mid.
- French : Elementary Proficiency.

REFERENCES

- References are available upon request.