



Kheir el dine Baarini

Communications And Electronics Engineer


A Communications and Electronics Engineer Graduated with HONORS from Beirut Arab University. he is interested in Communications, Electronics, AI/ML/DL, Data analysis/BI, and Blockchain. My goal is to improve the telecom sector and use AI applications to save the environment and facilitate people's life. Furthermore, I am working to apply the SDGs for better world.

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Fnaydeq, akkar, north Lebanon 

Kheir el dine Ali Baarini 

Birthdate: 21/1/1999 

Lebanese 

EDUCATION


2021-Present: “Master Technologie des systems Communicants, medicaux et industriels (TSCMI)”


Lebanese university  Tripoli Lebanon


2016-2021: “Bachelor of Communications and Electronics Engineering.

Beirut Arab University  Tripoli Lebanon  GPA: 3.72/4. With Honors

ACHIEVEMENTS

2021: The winner team selected by the participants at the YAC hackathon (anti-corruption)  Lebanon

2020: Phase 1 young leaderships program and the 3rd place in rethinking politics summer school  Lebanon

2015: Second place at the big challenge program on TV-LEBANON  Lebanon

EXPERIENCE

Communications and Electronics Engineering + Artificial Intelligence

February 2022: Artificial Intelligence Engineer  Saugo 360, Lebanon

- Grammatical Framework, MindMeld
- Virtual Assistants (Natural Language Processing)

August 2021: Electronics Engineer Trainee:  Iskraemeco Egypt

- PCB printing: ESD, materials used, communications methods, and the whole production operation.
- Smart meters: Antennas, Communications methods, readings, errors fixing...
- Electricity meters: Production line, theoretical design, meters designs, designs flexibility.
- Water meters: Production line, errors fixing ...
- Modeling injection, Quality assurance...

August 2020: Routers Configurations, Cables fixing, Clients serving.  WISEisp Lebanon

August 2019: A study on the Electromagnetic pollution and its effects on the human body and environment. And comparing the results with the WHO and global telecom agencies.  Alfa, Lebanon

August 2018: landline, DSL, fiber Optic and the whole operations of Ogero.  Ogero Lebanon

Leadership:

- Entrepreneurship Hub at Beirut Arab University/board of directors of BAU.
- IEEE BAU Tripoli member and “Microsoft office” teacher.
- BeirutAI student ambassador at BAU Tripoli 2020 -2021

- Young med voices- December 2018.
- Youth Leadership programme_YLP6/YLP7 participant

PROJECTS:

- Final year project (CEE)- SMART TRAFFIC MANAGEMENT SYSTEM. **BAU**
- Project manager of several projects during my bachelor's degree (propagation and antennas, networking, cellular, telephony, wireless communications) on up to 4 students **2018-2021 (BAU)**.
- Projects in machine learning and deep learning (Classification and Regression...)
- Data analysis and Visualization projects on Covid-19 and World Population Using PowerBi and Tableau.

SKILLS:

CEE+AI:

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| • Propagation /Antenna Design | • Cellular communications 1G-5G | • Data Cleaning and Visualization |
| • Microwave Engineering | • Wireless communications | • CEH- certified ethical hacker |
| • Telephony systems/Networking | • Data analysis (Power BI, Excel, Google Studio, python, R...) | • Strong Analytics skills. |
| • AI/Machine learning/ Deep learning | | |

Tools and software:

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| • MATLAB/OCTAVE | • LABVIEW, ADS, CST, HFSS. | • Jupyter, Google Collab, PyCharm... |
| • Cisco packet tracer/Visual Studio. | • Microsoft office/G Suite (IC3)/Latex. | • Canva |
| • GitHub/Git. | | • PowerBI and Tableau |
| • Power platform | | |

Programming:

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| • Python | • Big data (Hadoop) | • Google workspace |
| • MATLAB | • JavaScript, Angular | • TensorFlow |
| • C | • Assembly x86 pic16f877a | • Pytorch |
| • Java | • Arduino. | |
| • SQL | • WordPress | |
| • Html/CSS | • Azure. | |

LANGUAGES

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| • Arabic - Native. | • English – Advanced. | • French – Intermediate. |
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Hackathons and events

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| • BeirutAI hackathon | • YLP6-7 | • (Courses) with TEC in Rainmakers 2 |
| • GIL from injaz. | • AI weekend with BeirutAI | • AI ready academy from Microsoft and Zaka.ai. |
| • Push-start agriculture hackathon | • DP 900, AI 900 , AZ900 certified | |

References are available upon request.