

JOUMANA MAKKI

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SUMMARY

As a junior backend developer and a CS fresh graduate with a passion for innovation and technology, I am excited to pursue a master's degree in artificial intelligence (AI) to start a new career in this field. Throughout my experience as a backend developer, I have worked on a variety of projects ranging from web application development to API integrations, where I have gained expertise in programming languages such as Java, Python, and SQL. However, my interest in AI lies in its ability to bring automation, efficiency, and intelligence to various industries and domains. I have started exploring AI through online courses and tutorials, learning the basics of machine learning and deep learning, and applying them to real-world problems. Pursuing a master's degree in AI will provide me with a deeper understanding of AI concepts and techniques and equip me with advanced skills in developing intelligent systems. I believe that a career in AI will enable me to contribute to the development of innovative solutions and create an impact in industries such as healthcare, finance, and cybersecurity. I am eager to take the next step in my career by pursuing a master's degree in AI and working towards building intelligent systems that solve real-world problems.



EDUCATION

School | College Notres Dames Des Soeurs Salvatoriennes- MSA

2006-2018 AWARDS:

- continuously ranked first among over 100 students (>18/20)
- ranked 10th in Lebanon in Grade 9 (18.64/20)

School | Nazih Bizri Public High School

2018-2020 Awards:

- continuously ranked first among over 100 students (>16/20)

University- BSc. | Islamic University of Lebanon

2020 -2023

- continuously ranked first with excellence.
- GPA: 3.965/4 – 92/100

Computer science with CBI program from Réseau Figure (France)



EXPERIENCE

GDSC AI Track Leader | Islamic University of Lebanon IUL

10/09/2023 – PRESENT

- **Track Strategy:** develop a clear strategy and vision for the AI track within the GDSC, aligning it with the club's overall goals and objectives.
- **Content Creation:** create or curate educational content and resources related to AI, including workshops, tutorials, articles, and presentations.
- **Workshop and Event Planning:** organize workshops, seminars, and events focused on AI topics. This includes selecting topics, finding speakers or trainers, and coordinating logistics.
- **Mentorship:** provide guidance and mentorship to club members who are interested in AI.
- **Hands-On Projects:** encourage and facilitate hands-on AI projects within the club. These projects could be related to machine learning, computer vision, natural language processing, or other AI subfields.
- **Collaboration:** collaborate with other track leaders and club members on interdisciplinary projects and events that involve AI.

IEEEExtreme 17.0 Ambassador | Islamic University of Lebanon IUL

15/09/2023 – 28/11/2023

- Take part in the IEEEExtreme Micro Volunteering Challenges.
- Reach out to colleges, universities, IEEE Student Branches and IEEE Student and Professional Members encouraging them to take part in the IEEEExtreme Programming Competition.
- Identify and assist students who require support and guidance with information related to IEEEExtreme.
- Take part in volunteer training webinars and post-webinar activities for increased learning and beneficial outcomes.

Backend Developer | Salem Group - Lebanon

25/08/2022 – PRESENT

- Designing ER diagram using Edraw.
- Exploring new backend frameworks as node js.
- Creating various databases using My SQL, mongo db.
- Testing quality of implemented dashboards to ensure accuracy of data and functionality of data filters.
- Implementing database for full projects.
- Testing functions and send requests using Postman.

Backend Developer | Donaleb - Lebanon

01/09/2022 – 01/09/2023

- Learning new backend frameworks.
- Drawing ER diagram and identify relationships.
- Implementing models using mongoose.
- Implementing controllers and routes.
- Testing written code.
- Using Figma

GDSC Core Team Member | Islamic University of Lebanon IUL

25/09/2022 – 09/09/2023

- Taking place in DevTest.
- Organizing events and workshops.
- Leading and mentoring members.
- Engaging with industry partners.

IEEE Vice Chair | Islamic University of Lebanon IUL

03/01/2023 – PRESENT

- Assisting the chair.
- Managing committees.
- Budget management.
- Representing the chapter.
- Membership engagement.
- Planning events.

Machine Learning, Data Science and Deep Learning with Python | Udemy

- Building an artificial neural network with TensorFlow and Keras
- Classifying images, data, and sentiments using deep learning
- Making predictions using linear regression, polynomial regression, and multivariate regression
- Visualizing data with Matplotlib and Seaborn
- Implementing machine learning at massive scale with Apache Spark's MLlib.
- Reinforcement learning - and how to build a Pac-Man bot.
- Classifying data using K-Means clustering, Support Vector Machines (SVM), KNN, Decision Trees, Naive Bayes, and PCA
- Train/test and K-Fold cross validation to choose and tune your models.
- Building a movie recommender system using item-based and user-based collaborative filtering
- Cleaning the input data to remove outliers.
- Designing and evaluate A/B tests using T-Tests and P-Values

Practical Training in IT | Islamic university of Lebanon IUL

11/09/2021 – 15/10/2021

- Dealing with power campus, university's new system.
- New students Registration.

Software Development internship | Wikendu – Germany

11/09/2021 – 15/10/2021

- Software development with HTML, CSS and JavaScript.
- Code Management with Git .



COMPUTER SKILLS

- Data visualization: Power BI, Tableau.
- Programming Languages: Python, C++, Java, SQL, PHP, HTML, CSS, JavaScript, Bootstrap, Node Js, Express JS, Sequelize JS, Nest JS, Prisma.
- Packages:
Python: numpy, pandas, scikitlearn, matplotlib, keras, TensorFlow, seaborn, Apache Spark.
C++: cstring, c. math, iostream.
- Microsoft Office:
ICDL certifications in PowerPoint, Word, Excel, and computer essentials.
- Operating Systems: Linux, Windows



LANGUAGES

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|-----------|------------------------------------|
| • Arabic | Native |
| • English | Fluent |
| • French | Fluent |
| • German | Intermediate (B1-Goethe Institute) |



ACTIVITIES

Volunteering

- Volunteer at صيدا بتعرف تقررز NGO.

Workshops

- Robotics competition in LAU
- Intro to AI- Beirut AI
- Devfest 22 LAU
- SYPLC 22 USEK
- Members Training Day -IEEE LAU
- Devfest 23 LAU
- Devfest 23 IUL