

# Randa El Rifai

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## WORK EXPERIENCE:

November 2024 – February 2025    **Eurisko, Adma, Lebanon**

**Position:** *Backend Developer Intern*

- *Developed and maintained RESTful APIs using JavaScript and TypeScript with the frameworks Express.js and NestJS,*
- *Designed and implemented database schemas in MongoDB*
- *Utilized TypeScript for strong type-checking*
- *Managed version control and collaborative workflows using Git and GitHub*

October 2023 – December 2023    **Monty Mobile, Beirut, Lebanon**

**Position:** *Data Scientist Intern*

- *Develop computer vision skills*
- *Building machine learning models using Python*
- *Fine-tuning pre-trained models*
- *Cleaning and preprocessing data*
- *Data visualization*

June 2022 – August 2022    **Monty Mobile, Beirut, Lebanon**

**Position:** *iOS Mobile Development Intern*

- *Develop Swift programming language skills*
- *Use external libraries*
- *Use open-source tools "GitHub"*

## EDUCATION:

**Lebanese American University, Byblos Lebanon**

Sept. 2018 – June 2024

Bachelor of Engineering in Computer Engineering

## SPECIAL PROJECTS:

- *Capstone Design (Final Year Project): automated violence detection system that uses machine learning algorithms to create a violence-minimal environment in schools. Four algorithms are employed: fight detection, weapon detection, verbal abuse detection, and facial recognition. The system incorporates a mobile application for communicating notifications and recommendations to parents and school staff, as well as enabling access to a student's violence record. Additionally, a wrist-worn device is provided for students to request additional protection against verbal abuse.*
- *Machine learning model to analyze instructor reviews, to identify the sentiment polarity as well as the appropriateness of the language used in the reviews using natural language processing techniques to extract features and classify reviews for the Prog. For Data Science course.*
- *Handwritten character recognizer using KNNs and SVC for the Intelligent Engineering Algorithms course.*

## KEY SKILLS & COMPETENCIES:

**Interpersonal:** *Communication, time management, teamwork*

**Computer:**

- **Programming Languages:** Java, Python, PHP, JavaScript, TypeScript, MATLAB
- **Backend Frameworks:** Express.js, NestJS
- **Machine Learning Libraries:** TensorFlow, Keras, Scikit-learn, PyTorch
- **Data Analysis Tools:** NumPy, Pandas, Matplotlib, Seaborn
- **Database management:** MySQL, MongoDB
- **Version Control:** Git, Github
- **Mobile Development:** Android, Swift

**Languages:** English (fluent), Arabic (native) and French (B2)

#### **ASSOCIATIONS:**

Volunteer, the Lebanese Organization for Studies and Training, 2017

Volunteer, Alwan Club, 2016