Tala El Cherkawi

cherkawitala@gmail.com
+961 81251440
Saida, Lebanon

PROFILE

Motivated computer and communication engineering senior student seeking an internship opportunity in a reputable organization in the Development and AI-related fields. Committed to innovation, collaboration, and leveraging cutting-edge technologies to drive advancements and meet industry demands.

EDUCATION

2020 – Present   Rafik Hariri University (RHU)   Meshref, Damour
Expected Graduation Date: May, 2025
BE in Computer and Communication Engineering
- Dean's Honor List.

SKILL & INTERESTS

- **Skills:**
    - **Programming Languages:** C++, C#, Python (including NLTK).
    - **Hardware Description Language (HDL):** Verilog.
    - **Scientific Computing and Data Analysis:** MATLAB.
    - **Web Development Technologies:** HTML, CSS, JavaScript, jQuery.
    - **Development Environments:** Quartus Prime, MicroCap, MATLAB Simulink, Packet Tracer, CST Studio, WordPress
    - **Database Management Systems:** MySQL.
    - **Microcontroller Platforms:** Arduino, Wemos, NodeMcu.
    - **Personal Skills:** Communication Skills, Interpersonal Skills, Teamwork skills, Adaptability and Flexibility, Problem-Solving, Analytical Thinking, Research Skills, Time Management, Leadership, Creativity, Work Ethic, Emotional Intelligence, Presentation skills, Desire to learn.
- **Interests:** Community involvement, learning languages, travelling, sports, reading, music, yoga, outdoor activities.

WORK EXPERIENCE

Ajial Elghad College   (Jan 2023 – April 2023)
- Created a Front-End website for the college.

Workshop Organizer and Presenter   (ongoing since 2022)
- Introduction to CCE: Fire Detection System.

PROJECTS

- Machine Learning Regression for Predict Oil Prices
- Pothole detection system using yolov4.
- Front-end website for Ajial Elghad College.
- Natural Language Processing model for emotion prediction
- Vehicle Insurance Company Database Management System with an intuitive GUI using C# and Microsoft SQL server.
- Developed software system for Hospital Management.
- Embedded system for aiding elderly patients' medical adherence
- Research on the effects of Dipole Antenna length variation
- Solving Linear equations using Gauss Seidel Method on MATLAB.
- 3D printing business analysis

CERTIFICATIONS

- CCNA 1, 2 and 3 Networking certifications from CISCO's Networking Academy.
- Machine Learning Onramp, Deep Learning Onramp, Reinforcement Learning Onramp

WORKSHOPS

- Introduction to AI
- Introduction to Python

LANGUAGES

Arabic   Native language
English   Fluent

AFFILIATIONS

- Official Member of the Institute of Electrical and Electronics Engineers (IEEE).
- Student Representative Council (2020)
  Key role in improving student experiences through effective communication and issue resolution.

ACHIEVEMENTS

- In a team at Rafik Hariri University, we proposed 'Smart Irrigate' for the Microchip International Contest, utilizing real-time data and AI/ML to optimize watering schedules. Our project ranked among the top 100 globally, earning us a free Microchip AVR IoT chip for development.