Ali El Rida Barakeh

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EDUCATION

Saint-Joseph University (USJ) (ABET Accredited)
BE in Computer and Communications Engineering   August 2020 – December 2025

Beirut Modern School (BMS), Lebanon   June 2020
Baccalaureate in **General Sciences**

TECHNICAL SKILLS

- **Programming:** Java, Python, C++, C#
- **Web Development:** HTML, CSS, JavaScript, TypeScript, React.js, ASP.NET Core, Node.js, Bootstrap, WordPress, REST API
- **Databases:** SQL, MongoDB, PostgreSQL
- **Version Control / CI-CD:** Git, GitHub, CI/CD pipelines
- **Software Tools:** Docker, Matlab, Simulink, Packet Tracer, Wireshark, Proteus, Arduino
- **Operating Systems:** Linux, Windows
- **Development Practices:** Agile/Scrum, DevOps, Design Patterns, CMake
- **AI & Data Science:** NumPy, Pandas, Scikit-learn, OpenCV, Matplotlib, Seaborn, ML/DL, NLP, Time-Series Analysis, Model Deployment (Fast API, Flask)

WORK EXPERIENCE

- **IBKS – Cedars-Sinai Medical Center, Los Angeles | Full Stack Engineer: (*March 2025 – September 2025*)**
    - Developed enterprise-grade React.js front-end and C# .NET backend solutions
    - Optimized complex SQL queries for large-scale healthcare data.
    - Led integration and testing to deliver high-quality, mission-critical software.

INTERNSHIPS

- **IDS - Integrated Digital Systems | Full Stack Engineer: (*June 2023 – September 2023*)**
    - Developed RESTful APIs in ASP.NET Core and integrated with React.js for responsive UI.
    - Implemented secure authentication/authorization and optimized SQL Server database.
    - Collaborated with QA and business teams to validate features, reducing post-release defects.
- **Mobile Arts | Front End Engineer: (*June 2024 – September 2024*)**
    - Built multiple Frontend websites using HTML, CSS, JavaScript, Bootstrap.
    - Customized WordPress themes and translated UI/UX designs into functional web pages.
- **IBKS - Integrated Building Knowledge Solutions | Full Stack Engineer: (*December 2024 – February 2025*)**
    - Created full-stack web applications using React.js, ASP.NET Core, JavaScript, and SQL.
    - Built and integrated RESTful APIs with secure authentication and authorization.
    - Optimized database design and application performance.
    - Collaborated in a team environment, contributing to testing, debugging, and feature development.

PERSONAL PROJECTS

- **Recipe-X:** Developed Recipe-X, a web application with user authentication (sign-in/sign-up) and integration of an external API for recipe management using HTML, CSS, and JavaScript
- **Smart Pantry:** Designed and developed an AI-powered pantry management web app using React.js, ASP.NET Core, and PostgreSQL, integrating a MobileNetV2 deep learning model via FastAPI for ingredient recognition, recipe recommendations, and expiry tracking.
- **FPD Analysis:** Conducted a data science project on football analytics using Python and Power BI to analyze player performance data and provide insightful visualizations.
- **Tic Tac Toe Unbeaten:** An AI powered game using Python that provides players with an unbeatable opponent.
- **WALL-E:** Developed an electric car that autonomously follows a black line using sensors and Arduino technology.

EXTRACURRICULAR ACTIVITIES

- **Member of the IEEE, Private Tutor in Engineering and Science, Football Coach for youth players**

CERTIFICATES

- **CCNAv7: Introduction to Networks**
- **CCNAv7: Switching, Routing and Wireless Essentials**
- **Zaka - Artificial Intelligence Bootcamp**

OTHER SKILLS

Languages: English, French, Arabic (Native).
Soft skills: Communication, Self-motivated, Teamwork, Attention to detail, Results-driven, Analytical