

SARA ABI RAAD

SOFTWARE DEVELOPER

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Matn, Lebanon

PROFESSIONAL SUMMARY

Computer Science graduate (USEK, 2026) specializing in full-stack development with React, TypeScript, Node.js, and PostgreSQL, with internship experience building production admin dashboards at a U.S.-based technology company. Additional foundation in machine learning and data analysis with Python (Pandas, Scikit-learn, NumPy) and Power BI.

SKILLS

Languages: JavaScript, TypeScript, Python, SQL, PHP, Java

Frontend: React, React Native, Expo, Material UI, HTML, CSS, Responsive Design

Backend: Node.js, NestJS, Express.js, REST APIs, JWT Authentication, File Upload Handling

Databases & DevOps: PostgreSQL, MongoDB, MySQL, Redis, Docker, Git, GitHub, CI/CD, Postman

Machine Learning & Data: Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn, Jupyter, Power BI, Data Cleaning, Classification, Regression, Clustering, Anomaly Detection

Practices: Agile/Scrum, Version Control (Git), Code Review, Debugging, Problem Solving

WORK EXPERIENCE

SOFTWARE DEVELOPER INTERN — AKTEK iO (U.S.-based, remote)

Jan 2026 – Feb 2026

- Developed responsive admin dashboard interfaces using React, TypeScript, and Material UI for a real-world client-facing product.
- Integrated REST APIs and implemented authentication handling across dashboard views, including protected routes and session management.
- Collaborated in an Agile/Scrum team using Git branching, pull requests, and code reviews on GitHub.
- Debugged and resolved UI and API integration issues, improving dashboard reliability and responsiveness across screen sizes.

PROJECTS

ParkEase — Full-Stack Mobile Valet Parking Application (React Native, Expo, NestJS, PostgreSQL, Redis)

- Designed and built a complete valet parking management platform: cross-platform mobile app (React Native/Expo), NestJS REST API backend, and PostgreSQL database.
- Implemented GPS-based parking search with live navigation, weather-aware parking recommendations, and real-time spot availability management.
- Built a “Save My Car” feature combining photo capture, voice notes, and live location tracking so users can relocate their vehicle instantly.
- Integrated Redis caching to speed up frequent availability queries and developed an admin dashboard for spot and user management.
- Secured the API with JWT authentication and implemented file upload handling for user photos and voice notes.

Machine Learning & Predictive Analytics (Python, Scikit-learn, Pandas, Power BI)

- Built classification, regression, clustering, and anomaly detection models on real-world datasets using Random Forest, Logistic Regression, SVM, and Decision Trees.
- Performed end-to-end workflows: data cleaning, feature engineering, model training and evaluation, and visualization with Matplotlib and Seaborn.
- Created interactive Power BI dashboards and visual reports to communicate model results and business insights.

Full-Stack Web Applications (JavaScript, PHP, MySQL)

- Developed dynamic, responsive CRUD web applications with form validation, MySQL database integration, and authenticated backend services.
- Containerized development environments with Docker and managed all projects through Git version control.

EDUCATION

B.S. IN COMPUTER SCIENCE — Holy Spirit University of Kaslik (USEK)

Jan 2023 – May 2026

Coursework: Data Structures & Algorithms, Databases, Machine Learning, Web & Mobile Development, Software Engineering.