

Reem El Hussein

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EDUCATION

Antonine University

Baabda

BE in Computer and Communications Engineering

Expected Graduation, July 2026

- **Concentrations:** Software and Networks Engineering
- **Related Coursework:** Data Structures, IoT, Web Development, Mobile App Development, Database Systems (SQL & NoSQL), Machine Learning, Computer Networks (Cisco I-III), Information Security

EXPERIENCE

OGERO

Mina El Hosn

Frontend Developer Intern

July 2024 – Sept 2024

- Developed responsive UI components using ReactJS and JSX, improving usability and code modularity
- Implemented client-side routing using React Router and styled components using SCSS and Material-UI

PROJECTS

RoboCat – Mobile-Controlled IoT Companion Robot

- Built an Android app in Java to control an IoT robot using MQTT, integrated with Raspberry Pi, GPS, and sensor modules
- Implemented real-time command handling and environmental trigger automation for safety monitoring

Stroke Predictor

- Trained a Python-based ML model for stroke risk prediction using data preprocessing, feature engineering, and model evaluation
- Achieved 90% accuracy using supervised learning techniques

Airbnb Website

- Built a PHP/Laravel web application with Leaflet mapping, Stripe payment integration, and email automation via Mailtrap
- Implemented admin and user dashboards for property and booking management

Semantic Search

- Built a Java-based semantic search system using text processing and similarity-matching algorithms
- Optimized document ranking and query performance

SKILLS

Programming: Java, C#, JavaFX, PHP, C++, Python, Node.js, JavaScript, HTML, CSS, MATLAB

Technical: AutoCAD, ArcGIS, Adobe Illustrator, Adobe Photoshop, Microsoft Excel, Microsoft Word, Microsoft Powerpoint

Platforms: Windows, Linux

Languages: English, Arabic