

Diana Nasrallah

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PROFESSIONAL SUMMARY

- Computer Science student (Antonine University, expected 2027) with foundations in software development, web development, and mobile development.
- Strong understanding of Data Structures; exposure to Machine Learning/AI concepts through coursework and self learning.
- Leadership experience managing volunteer teams and delivering community facing presentations; comfortable coordinating work and meeting deadlines.

EDUCATION

Antonine University — BSc in Computer Science	2023–2027
• Relevant coursework: OOP, Data Structures, Web Development, Database Systems, Software Engineering, Introductory Machine Learning/AI.	
All Girls Code — Certificate	2025

SELECTED PROJECTS

Money Transfer and Receiving App — React Native	2025
• Implemented core UI screens and navigation in React Native for send/receive flows. • Improved transaction clarity through iterative usability feedback.	

Health App — UX/UI Design Prototype (Figma)	2025
• Designed user flows, wireframes, and high fidelity screens in Figma for core health app journeys. • Created an interactive prototype and iterated based on usability feedback to improve clarity and usability.	

NASA Space Apps Challenge — 3D Globe Pollution Visualization (Live Data)	2025
• Built a 3D globe visualization showcasing pollution rates using live data; contributed to interface design and the final presentation.	

Hospital Management System — JavaFX + MySQL	2025
• Developed a patient records module with MySQL integration and a JavaFX user interface.	

Student Information System — Java	2025
• Implemented core CRUD features for student data management using Java.	

Car Dealership Website — HTML/CSS/JavaScript	2025
• Built a responsive vehicle showcase with a filtering system and clean UI layout.	

Emergency Text Classification Dashboard — Python, NLP, Flask	2026
• Built a multi-class NLP classifier to categorize emergency-related text using TF-IDF baselines and transformer models. • Compared Logistic Regression, Linear SVM, BERT, and DistilBERT using weighted accuracy, precision, recall, and F1-score; best weighted F1 with DistilBERT. • Integrated the selected classifier into a Flask dashboard with event description generation, location extraction, and map pin display.	

Inventory Request Management Module — Odoo 18, Python, XML, Docker	2026
• Developed a custom Odoo module where employees create inventory item requests and managers approve or reject them. • Implemented Python model, XML list/form/search views, menu items, action window, access security, and workflow buttons for Draft, Submitted, Approved, Rejected, and Reset to Draft.	

Student Management System — C++	2026
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- Built a console-based student records system using a doubly linked list to support add, edit, delete, search, display, and sort operations.
- Implemented CSV file persistence, generated student IDs, input validation, and searching/sorting by ID, name, last name, and major.

QuickDrop Software Development Team Project — Azure DevOps

2026

- Collaborated in a team-based software engineering project for **QuickDrop**, a web-based delivery platform, using Azure DevOps for sprint planning, backlog management, task tracking, and progress coordination.
- Contributed to requirements planning, user flows, test case documentation, and system design while practicing Agile/Scrum workflows through sprint-based development and team collaboration.

EXPERIENCE

Mawared Kamenah (NGO) — Team Leader

2022–2025

- Led 10+ volunteers in e-waste awareness campaigns and community outreach.
- Produced educational videos that reached 5,000+ views.

SKILLS

- **Programming:** Java, C++, Python, Javascript.
- **Databases:** MySQL, NoSQL, Schema Design, Queries, Normalization, CSV File Handling.
- **Cloud & Deployment:** Microsoft Azure (Cloud services, Azure VM, Azure SQL, Blob Storage), AWS fundamentals (EC2, S3, IAM).
- **AI & Machine Learning:** Scikit-Learn, TensorFlow, NLP, TF-IDF, Logistic Regression, Linear SVM, BERT, DistilBERT, Model Evaluation, Accuracy, F1-Score.
- **Odoo Development:** Custom Modules, Python Models, XML Views, Actions, Menus, Access Security, Docker-Based Odoo Setup.
- **Web Development:** JavaFX, HTML5, CSS3, JavaScript, Responsive Design, Frontend Development.
- **Design:** Figma, Wireframes, High-Fidelity Screens, Interactive Prototypes.
- **Languages:** Arabic (Native), English (Fluent- C2).