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Summary

Computer and Systems Engineering student at Alexandria University with hands-on experience across full-stack development, applied machine learning, and Agile software delivery. Proven ability to lead teams and ship production-quality features end-to-end, with strong communication skills and a fast-learning, detail-oriented mindset.

Education

Faculty of Engineering, Alexandria University

Bachelor of Computer and Systems Engineering

CGPA: 3.79/4, Ranked 6th of Batch

Projects

SmartLink: Professional Networking Platform (Team of 6)

Nov 2025 – Dec 2025

[GitHub Repository](#)

- Full-stack platform connecting job seekers with recruiters, featuring user profiles, job postings, and content-sharing capabilities, built with **React**, **Spring Boot** & **MySQL**.
- Served as **Scrum Master** for a 6-person team, facilitating sprint planning and retrospectives, managing workflow through **Jira** and **GitHub**, and driving technical decision-making.
- Developed a complete authentication system with email verification, **Google OAuth** integration, and **JWT**-based security.
- Built an admin dashboard for user management, content moderation, and report resolution.

Mail Server: Email Client Application (Team of 3)

Dec 2024

[GitHub Repository](#)

- Built a functional email server application offering email management, attachment support, and contact management, using **React** & **Spring Boot**.
- Led frontend development, creating the complete UI including the login system, email management pages, and various React components.
- Implemented **attachment functionality** end-to-end, handling file uploads, saving attachments to the database, and retrieving them for display.

TechShop: E-Commerce Platform (Team of 2)

2025

[GitHub Repository](#)

- Built a full-stack e-commerce application for computer hardware products with product browsing, authentication, cart management, and product comparison.
- Developed the main frontend interface (homepage, category pages, product details, login/register, cart, profile) and reusable components (navbar, category menu, product cards, chatbot widget).
- Integrated the frontend with backend APIs for authentication, product retrieval, and cart operations using **React**, **Vite**, **React Router** & **Axios**.

Environmental Sound Classification (Team of 1)

May 2026

[GitHub Repository](#)

- Pattern recognition project applying feature extraction and machine learning classifiers to identify environmental sound categories from audio recordings.
- Extracted audio features (**spectral & MFCC**-based representations) and trained/evaluated classification models in a reproducible **Python** notebook.

Technical Skills

Programming Languages: Java, Python, C, JavaScript

Frameworks & Libraries: React, Spring Boot

Technologies: Docker, Git/GitHub, Agile/Scrum, Jira, RESTful APIs

Relative coursework: Object-Oriented Programming (OOP), Design Patterns, Data Structures & Algorithms, Operating Systems, Embedded Systems, Real-Time Scheduling, Computer Graphics, Pattern Recognition, Computer Architecture, Modern Control/PLC Systems