

Summary

I'm a Computer Science student (3rd year) at Alexandria University, specializing in Software Industry and Multimedia (SIM). I combine a developer's mindset with a designer's sensitivity—building software that's not only functional but intuitive and user centered.

I bring hands-on experience in software development, data analysis, and interface design. My technical toolkit includes Java, Python, SQL, CSS, and JavaScript, backed by a strong foundation in OOP principles, data structures, and problem-solving.

Driven by curiosity and a love for continuous learning, I thrive in fast-paced environments and collaborative teams. I enjoy transforming complex ideas into simple, elegant solutions—and I'm eager to contribute to impactful projects as a Software Engineering Intern.

Education

2023-2027: B.Sc. in Software Industry & Multimedia Faculty of Computer Science, Alexandria University.

Experience

Software Engineering Intern – Full Stack Developer

Fawry, Egypt

July 2024 – Sep 2024

- Worked on developing and enhancing internal tools using modern full stack technologies.
- Collaborated with senior developers on both front-end and back-end tasks using .NET and Angular.
- Participated in code reviews, debugging sessions, and Agile sprint planning meetings.
- Gained hands-on experience in API integration, database management, and user authentication.
- Improved team productivity by contributing to documentation and reusable components.

UI/UX Designer Trainee

Creativa Innovation Hub, Egypt

August 2023 – Sep 2023

- Completed an intensive training focused on UI/UX design principles and tools (Figma, Adobe XD).
- Designed user-friendly interfaces and responsive prototypes for web and mobile applications.
- Conducted user research, created personas, wireframes, and interactive mockups.
- Developed a final project demonstrating complete user flow and usability testing.

Full Stack .NET Trainee

Digital Egypt for Programming Industry (DEPI)

June 2025 – Present

- Undergoing practical training in building full stack applications using ASP.NET Core and Angular.
- Learning software architecture, RESTful APIs, authentication systems, and SQL Server integration.
- Collaborating in team-based projects to simulate real-world development environments.

MEAN Stack Trainee

National Telecommunication Institute (NTI)

July 2025 – Present

- Currently receiving training in MEAN Stack (MongoDB, Express.js, Angular, Node.js).
- Developing scalable web applications and APIs following MVC architecture.
- Learning cloud deployment, real-time communication (Socket.io), and advanced JavaScript patterns.

Technical Skills

- Languages: Java, Python, C++, PHP
- Web Development: HTML, CSS, JavaScript
- Frameworks & Tools: Figma , MS SQL Server, Pygame , Scikit-learn, Pandas, NumPy
- Concepts: OOP, Data Structures, Algorithms, UI/UX Design

Soft Skills

- Teamwork
- Problem Solving
- Communication
- Time Management
- Continuous Learning

Projects

Student Grades Management System

Java, OOP, File Handling

Designed a console-based system to manage and calculate student grades with file I/O and structured object-oriented logic.

Library Management System

Data Structures , Java GUI

Built a library interface using GUI and core data structures (linked lists, stack , queues..etc) to manage borrowing and returns.

Online Retail Data Analysis

Python, Pandas, Matplotlib, Apriori Algorithm

Analyzed retail transaction data, visualized purchase behavior, and applied Apriori to extract frequent itemsets and association rules.

Hypermarket System – UX/UI Design

Figma, UX Research, Human Computer Interaction (HCI)

Created responsive desktop/mobile UI in Figma, with full UX research including personas, user flows, sitemap, wireframes, and Nielsen's heuristics compliance.

E-Learning Platform

HTML, CSS, JavaScript, PHP, MySQL

Developed a complete learning platform with content management, student login system, and database-driven backend.

Mind Maze Game

Pygame

Developed a 2D game using Python with game loop logic, scoring system, levels, and interactive UI.

Library Database System

MS SQL Server, SQL Queries

Transformed and optimized an existing library database through cleaning, normalization (to 3NF), relationship mapping, and indexing to enhance performance and data consistency.

Languages

- Arabic: Native
- English: Good (Speaking, Writing, Technical)