

Education

Cairo

Arab Open University (AOU)

09/ 2019 – 07/ 2023

- Bachelor's Degree of Computer Science and Information Technology

Experience

Internship – Frontend / Full stack

ITI Intensive Code Camp

05/2024 – 11/2024

Udemy Dashboard: *Designed and developed an intuitive admin dashboard to manage all platform content with real-time data visualization.*

- Developed a modular admin dashboard using Angular components, featuring data tables, filters, modals, and charts.
- Built interactive views for managing users, reviewing and approving courses, moderating content, and tracking platform activity.

Udemy: *A responsive online learning platform built with Angular to deliver an intuitive learning and teaching experience.*

- Developed user dashboards for students to manage their enrollments, track course progress, and submit course reviews.
- Created instructor workflows for course creation and management, including content upload, curriculum structuring, and media previews.

Backend API: *Scalable and secure backend system powering the platform APIs, business logic, and integrations.*

- Designed and implemented RESTful APIs using Express.js to handle course management, user authentication and review systems.
- Built a robust user role and access control system (Admin, Instructor, Student) using middleware-based authorization using JWT.
- Integrated third-party services for media uploads(cloudinary), email/SMS notifications, and payment processing

Learning Internship – Backend

GDSC

02/2024 – 05/2024

Gained hands-on experience with core Java concepts (OOP, collections, exceptions, streams) and advanced Java practices by studying OCA and OCP resources.

Learning Management System (LMS):

- Designed and implemented RESTful APIs to enable professors and instructors to upload lecture materials (PDFs, docs, media), create and manage quizzes, and organize questions in a structured order.
- Developed a student enrollment module allowing learners to register for classes and gain access to course materials, quizzes, and assessments.

Learning Internship – Backend

ITI Tech Leaps

01/2023 – 07/2023

- Participated in an intensive learning internship focused on mastering core Java and Spring Framework fundamentals, including dependency injection, inversion of control, and building Spring Boot applications.
- Gained practical experience by applying theoretical knowledge to real projects, developing scalable backend services and web applications using Spring Data, REST APIs, and database integration.

Projects

Portfolio:

- Designed and developed a fully responsive portfolio using Angular, tailored for both desktop and mobile users with adaptive layouts and smooth transitions.
- Integrated GSAP (GreenSock Animation Platform) to create engaging scroll-based animations and micro-interactions for a dynamic user experience.
- Utilized Angular CDK's Clipboard module to enable quick copy-to-clipboard functionality for contact details and project code snippets.

Azkary:

- Integrated multiple APIs (IP geolocation, time zone, and prayer times) to deliver accurate, location-based schedules.
- Implemented localization with support for English and Arabic, enhancing accessibility for diverse users.
- Built a responsive, mobile-friendly UI using Tailwind CSS with a focus on clarity, simplicity, and clean design.

Bulls and Cows:

- Developed interactive game logic from scratch to provide real-time feedback (bulls & cows) after each guess.
- Designed a clean, responsive UI using Tailwind CSS, ensuring smooth gameplay across all devices.
- Added light and dark mode support to enhance user comfort and accessibility.

Skills

- **Languages:** TypeScript, JavaScript
- **Frameworks Libraries and Tools:** Angular, react, next.js, express, Bootstrap, Tailwind, HTML, CSS, SCSS, Git
- **Concepts:** Object-Oriented Programming (OOP), SOLID, Design Patterns, Dependency Injection
- **Database:** MySQL, MongoDB
- **Familiar with:** Java, Spring, Docker, bash script, GitHub, Rest API, Linux

Achievements

2X First to solve the problem

Two problems first team to solve the problems in the ECPC qualifications "Egyptian Collegiate Programming Contest".

Volunteer

PR head: Head of Public Relations, I led efforts to improve public relations to the ECPC and provide more students to the competition.

Coaching / Mentoring:

- Provided tailored guidance and training sessions based on individual skill levels and learning goals.
- Helped learners build a strong foundation in problem-solving and algorithmic thinking through hands-on practice.
- Encouraged consistent growth with curated learning paths, feedback, and mock contests.