

HUSSEIN ALI AHMED

Beirut, Lebanon

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Education

Bachelor of Science in Computer Science | Lebanese American University August 2021 – May 2024

- Dean's Distinction List
- Full Merit Higher Education Scholarship recipient
- CGPA: 3.73, MGPA: 3.67

Minor in Business | Lebanese American University

August 2022 – May 2024

- MGPA: 3.95

Professional Experience

Software Engineering Intern | AZADEA

June 2024 – Sep 2024

- Conducted extensive research on software testing methodologies, covering philosophies, strategies, and approaches at the unit, integration, and end-to-end levels, and adopted a user-centric testing approach.
- Compared various tools at each testing level and recommended Jest, React Testing Library, and Cypress as the best fits for team needs
- Began learning EF Core for MVC applications; built APIs, implemented JWT-based authentication and role-based authorization, developed background services, and deployed them as Windows services.

Software Engineering Intern | Cardinal Health

June 2023 – August 2023

- Acquired foundational knowledge of Spring Framework and Spring Boot.
- Developed RESTful endpoints for CRUD operations on a MySQL dataset
- Designed and implemented an engine to detect discrepancies between MySQL and Elasticsearch data sets, ensuring consistency and integrity across both data sources.
- Designed a user-friendly interface enabling users to perform comparisons and view discrepancies.
- Ensured code reliability through comprehensive unit testing.
- Technologies used: Java, Spring Boot, JUnit, Postman, MySQL, Git, GitHub

Front-End Web Development Intern | Leader Software Technology

June 2023 – July 2023

- Designed and implemented web pages for a transportation company's website using HTML, CSS, and JavaScript ensuring compatibility across diverse devices and screen sizes.

Personal Projects

BAYMAX | Health Care Mobile Application

May 2024

- Collaborated with a team member to develop a mobile app that tracks patient medical information, connects them with doctors, and provides additional health-related features.
- Integrated a pre-trained ML model to predict diseases based on user-reported symptoms and used the OpenAI GPT Turbo API to offer detailed information, safety tips, and a list of referral doctors.
- Utilized Stripe for secure, PCI-compliant payment transactions.

- Implemented a chat feature enabling direct communication between doctors and patients.
- Built the UI with React Native (Expo) and developed backend APIs using Express.js , and used MongoDB as the non-relational database.

Newsletter Mobile Application

December 2023

- Developed an Android app using Java in Android Studio
- The app enables users to highlight favorite articles, sort content by preference, and manage personal information through an intuitive interface.

Football Club Software Management System

May 2023

- Developed modules for players, managers, and fans to streamline interactions and enable efficient communication and management tailored to their roles within the football club.
- Utilized HTML5, CSS, JavaScript, PHP, and SQL.

Database Project for a Museum

December 2022

- Developed a comprehensive database management system for a museum using MySQL. Created the ERP map, designed tables and relationships, and performed normalization.

Skills

Soft skills: Communication, Problem-solving, Teamwork, Time Management, Leadership, Attention to Detail

Technical skills: Software Engineering, Object-Oriented Programming (OOP), Data Structures and Algorithms, Relational Databases, Web Development, Java, Spring Boot, HTML5, CSS, JavaScript, Rest Apis, JSON, git.