Lewaa Thebian

Beirut, Lebanon · +961 76 006 368 · lnt01@mail.aub.edu · LinkedIn Profile · GitHub Profile

EDUCATION

American University of Beirut (AUB)   *Beirut, Lebanon | Sep. 2020 – May 2024*

Bachelor of Engineering (BE) in Computer and Communications Engineering – Minor in Business Administration

Full Scholarship funded by USAID – Granted the **Qatar Scholarship** (Education Above All)

Cumulative GPA: 3.82/4.0

PROJECTS

- BASKETBALL MANAGEMENT SYSTEM   *Feb - May 2023*
  - Acted as Scrum Master and led the Agile development of a basketball management system using Django
  - Defined the product vision, features, and user stories and designed a product prototype using Pencil Project
  - Created a product backlog and implemented its items using Trello Project Management Tool and GitHub
  - Contributed to the development of website modules including membership, game and player stats, integrated calendar, encrypted chatting, and customized pages for managers, coaches, players, and academy members

- CURRENCY EXCHANGE PLATFORM   *Jan - Apr 2023*
  Backend:
  - Developed a Flask-based web server that provides an HTTP RESTful API for exchange transactions, utilizing MySQL as the database engine with Flask-SQLAlchemy ORM and PyMySQL driver.
  - Implemented exchange rate calculation logic, enabled transaction association with users and retrieval of previous transactions, and secured user access with a bearer token authentication system using JSON Web Tokens.
  - Used Postman to test communication with the API being developed
  Web Frontend:
  - Developed and migrated a website to a React-based web application, integrating it with the backend server to input and display exchange transactions and exchange rates.
  - Developed a feature that enables users to calculate exchanges at current rates and view past transactions by utilizing the MUI library's Material design system to enhance and develop UI elements.
  Desktop Frontend:
  - Developed a cross-platform desktop application using JavaFX SDK and integrated it with the backend.
  - Implemented the features to view current exchange rates, register a new user transaction, view past transactions, and a calculator to calculate the exchanges at current rates
  Mobile Frontend:
  - Developed and integrated a native Android application with a mobile interface using Kotlin programming language   - Implemented the features to view current exchange rates, register a new user transaction, view past transactions, and a calculator to calculate the exchanges at current rates

- RESTAURANT WEBSITE DEVELOPMENT   *Dec & Jan 2023*
  - Developed a fully responsive visually appealing website for an Italian restaurant using HTML, CSS, JS, and Bootstrap
  - Utilized Bootstrap's grid system to create a clean, organized layout that is optimized for all screen sizes

- BASE CONVERSION CALCULATOR   *Jan 2023*
  - Designed and developed a mobile application for converting between different number bases (e.g., binary, octal, decimal, hexadecimal) using Java Programming language and Android SDK

- CHATTING APPLICATION – COMPUTER NETWORKS   *Mar & Apr 2021*
  - Developed a peer-to-peer chatting application using Python's socket programming and Tkinter as the GUI library
  - Conducted reliability testing of messages using Netem
  - Achieved the best project in the course

WORKSHOPS & CERTIFICATIONS

- HTML, CSS, and JavaScript for Web Developers *John Hopkins University – Coursera | Dec 2022*
- Crypto Fundamentals Crash Course *Binance Academy | Oct 2022*
- Cryptography & Networking Course *Cyber Community | Mar – Aug 2022*
- Flutter Festival – Build your First Flutter App *Google Developer Groups | Feb & Mar 2022*
- A Career in Machine Learning Webinar *ZAKA | Jan 2022*
- NDG Linux Unhatched course *Cisco Networking Academy | Dec 2021*
- Introduction to Cybersecurity course *Cisco Networking Academy | May 2021*

- Technical Workshops: Web Development Workshop, Arduino Workshop, LaTeX Workshop, Cyber Security Workshop, Blockchain Workshop, PCB Design Workshop, Social Media Workshop, Lebanese Taxation Workshop, E-Portfolio Workshop, Reflective Writing Workshop
- Soft Skills Workshops: Entrepreneurship Workshop, Presentation & Public Speaking Workshop, Community Service Workshop, Debate Workshop, Digital Presentation Techniques

EXTRACURRICULAR ACTIVITIES

- Lebanon Section Lead for the IEEEXtreme 17.0 Competition *2023 – Present*
- Member of the IEEE Club *2020 – Present*
- Member of the AUB Game Development & eSports Club *2022 – Present*
- Coordinator and Tutor with MMKN *2020 – Present*
- Ambassador for the IEEEXtreme 16.0 Competition *2022*
- Former member of the AUB Computer Science Student Society *2021 – 2022*
- Former member of the AUB Entrepreneurship Club *2021 – 2022*
- Former Member of the AUB Financial Intelligence Club *2021 – 2022*
- Educational Support with the Youth Association of the Blind *2021 – 2022*
- Preparation of an educational platform with EDUPASS *2020 – 2021*
- Former Member of the AUB Chess Club *2020 – 2021*

SKILLS

- Languages: English (Professional Proficiency) – Arabic (Native Proficiency)
- Computer Skills: Python, Java, C++, HTML, CSS, JavaScript, React, Kali Linux, Git, Django, Flask, MySQL, Kotlin, Android Studio, Postman, Dart, LaTeX, VHDL, MATLAB, RISC-V, PIC, Excel, PowerPoint
- Soft Skills: Problem-Solving, Critical Thinking, Project Management, Leadership, Public Speaking, Communication