Ibrahim El Khansa
Born on 04/09/2002
Address: Beirut Lebanon
Phone Number: +9613299973
E-mail Address: ike06@mail.aub.edu
Website: ibrahimkhansa.com

DESCRIPTION

Creative and enthusiastic Computer Science Engineering student at AUB with a passion for software development, design, and music. Seeking a dynamic internship or entry-level position that allows me to apply my diverse skill set, collaborate with like-minded professionals, and contribute to the creation of captivating and engaging digital experiences for users.

EDUCATION

09/2020 – Present   **American University of Beirut (AUB)**
Bachelor of Engineering in Computer Science Engineering
- Minor in Economics

WORK EXPERIENCE

06/2024 – 08/2024   **Murex**
Java Software Development Intern
Beirut, Lebanon
- Completed a three-month internship at Murex as a java software developer within the BPM Deimos team
- Tackled code challenges by refactoring legacy code, implementing integration tests, and improving user interfaces using Java Swing
- Collaborated closely with quality assurance, product architects, and other team members to ensure the robustness of the software across various financial modules
- Practiced Agile methodologies by actively participating in daily stand-ups, sync meetings, and biweekly retrospectives to track progress and gather feedback
- Gained expertise in essential tools and frameworks such as Maven, JUnit, Jenkins, Git, and Murex's proprietary tools like GQAF (Global Quality Assurance Framework)
- Discovered the importance of clean code, testing, and scalable solutions in a real-world development environment, improving overall programming skills and adaptability

08/2022 – 11/2022   **Fits Consulting**
Digital Transformation Consultant Intern
Beirut, Lebanon
- Took charge of creating and fine-tuning business processes by leveraging the features of Bizagi software
- Worked hands-on to streamline day-to-day operations, making everything run smoother and more efficiently
- Regularly collaborated with different teams to make sure the software was keeping up with the changing needs of the business
- Developed flow charts and admin portals for clients using Bizagi and JAVA

09/2021 – 05/2024   **American University of Beirut**
Coding Tutor
Beirut, Lebanon
- Conducted engaging lectures for Python, C++, and VHDL classes, addressing more than 30 students per session
- Created and shared valuable tutoring materials online to facilitate accessible learning resources for students

10/2022 – 03/2023	**Khansa Carpets ([Instagram Link](#))**
	Social Media Manager
	Beirut, Lebanon

- Captured captivating product images for social media promotion
- Utilized Adobe Photoshop and Adobe Premiere Pro to craft visually appealing and engaging social media posts
- Monitored and analyzed Meta analytics to refine and optimize social media performance

---

SAMPLE DEVELOPMENT PROJECTS

05/2024 - Present	**Coursis (www.coursis.org)**

- Developed *Coursis*, a comprehensive academic platform designed to help students manage schedules and various academic tasks efficiently using Next.js and Firebase
- Single-handedly designed and implemented both frontend and backend systems, including a dynamic scheduling algorithm to generate optimal, non-conflicting schedules based on user preferences
- Optimized the platform's performance through custom algorithms and data structures like Graphs, Binary Search Trees, and conflict detection mechanisms to enhance the accuracy of schedule generation
- Integrated a reservation system allowing students to book classrooms and other resources, with admin control features to manage room availability and user access efficiently
- Actively maintaining and enhancing *Coursis* to meet the evolving needs of the 5000+ users on the platform while adhering to best practices in security, scalability, and performance

01/2023 - 06/2023	**3azaw2ak Mobile App**

- Developed a cross-platform native app for Android and iOS using React Native and Expo for the frontend and Firebase Services for the backend, ensuring optimal app performance. The app
- Implemented a serverless, event-driven backend using Firebase Cloud Functions, enabling efficient data processing, and reducing infrastructure costs.
- Created a cloud-hosted, real-time database synchronized across all clients using Firebase Realtime Database, ensuring data consistency and offline data access for users
- Ensured API backend resource protection and user privacy using Firebase Authentication and Firebase App Check, implementing robust authentication and authorization protocols
- Managed the full app life cycle, including concept, design, build, test, and release to staging environment, utilizing Expo Application Services (EAS) for streamlined app development and testing

10/2022 - 12/2022	**Messaging Platform**

- Collaborated with three classmates to create a local host chatting platform using the JAVA programming language as part of our Computing Networks and Services course
- Incorporated features of Google Drive allowing concurrent file editing and sharing as well as a chat messaging system

02/2024 - Present	**Farm & Factory Admin Portal/Panel**

- Spearheaded the development of a comprehensive admin portal for managing a farm and dairy business, handling both frontend and backend responsibilities using Next.js and firebase services
- Singlehandedly engineered a user-friendly interface, ensuring seamless stock, customer, and employee management for my uncle who utilizes the site on a daily basis

- Implemented robust database designs and client-side logic to facilitate efficient business operations

02/2024 - 02/2024	**Personal Website**

- Designed and launched my own personal website, ibrahimkhansa.com, as a portfolio to showcase my development projects and technical skills.

04/2024 – 04/2024	**Band Website**

- Developed a dedicated website for my band, Bliss, to make it easier for fans to discover and engage with our music, featuring audio streaming, band information, and easy access to our social media and events

02/2024 – 05/2024	**Exchange Rate Website**

- Developed a user friendly website that allows clients to submit currency exchange trades and to check the current exchange rate as part of a software development lab.

EXTRA CURRICULAR ACTIVITIES

- **AUB Physics Summer Program (07/2019 - 08/2019):** Selected by the American University of Beirut (AUB) from a competitive pool of high school students in Lebanon, I participated in the AUB Physics Summer Program. Over four weeks, I engaged in immersive lectures and hands-on laboratory sessions, deepening my understanding of physics and expanding my academic horizons.
- **YouTube channel (09/2017 - 03/2021):** Grew an engaged audience of 3,000 subscribers and accumulated a total of 1.6 million views by producing and sharing compelling content routinely.
- **Stage Manager for AUB Outdoors (04/2023 - 05/2023):** Served as stage manager taking care of the main acts and coordinating stage preparations, ensuring timely performances and smooth transitions between slots for all performers during the renowned annual event.
- **Metallica tribute concert (08/2023 - 02/2024):** Executed comprehensive project management and performed as the drummer for Aeterna who played the first Metallica tribute show in years at Metro Al Madina, successfully filling the venue with 600 attendees through a strategic marketing and sales campaign.

AWARDS and RECOGNITIONS

- Won first place in the 2019 *LAU Film Competition* for best video editing
- Completed the Web Developer Bootcamp course by Colt Steele on Udemy
- Completed Figma UI UX Design Essentials course by Daniel Walter Scott on Udemy

RELEVANT COURSEWORK

Software Courses: Design and Analysis of Algorithms, Object-Oriented and Effective Java Programming, Computing Networks and Services, Theory of Computation, Programming Language Design and Implementation, Cryptography and Network Security, Software Engineering, Database Systems, Software Architecture and Design Fundamentals, Web, Mobile, and Application Development Lab
Hardware Courses: Computer Organization, Operating Systems
Other Courses: Machine Learning, Engineering Entrepreneurship, Communication Systems

MEMBERSHIP

- Cabinet member of the Music Club at AUB
- Former member of the Robotics Club at AUB

SKILLS

Languages: Fluent in English, Arabic and German
Computer Skills: Java, Maven, Jenkins, C++, JavaScript, Typescript, HTML, CSS, React, React Native, Next.js, Git, Firebase, Python, Microsoft Office, Photoshop, Adobe Premiere Pro, Adobe After Effects, Figma, Latex
Soft Skills: Initiative, Management, Research, Leadership, Adaptability, Time Management, Teamwork, Organization

HOBBIES

Drumming 🥁, Electric Guitar, Video Editing