Beshoy Fomail

Cairo, Egypt | +201202042111 | beshoy.f.labib@outlook.com
LinkedIn: Beshoy Fomail | Github: beshoy-13

EDUCATION

- **Faculty of Computers & Artificial Intelligence | Cairo University (2024-2028)**

EXPERIENCE

- **Digital Egypt Pioneers Initiative | Egypt University of Informatics**
  React Frontend Web Developer Trainee [July 2025] - [January 2026]
  - Developed **6+** responsive web pages using **React.js**, **HTML5**, and **CSS3,** implementing UI/UX.
  - Collaborated with team members using **Git** for version control.
  - Leveraged **modern workflows** and **debugging tools** to optimize the **development process**.

- **Elevvo | Remote**
  Frontend web developer intern [september 2025] - [october 2025]
  - Implemented **layouts**, **animations**, and **form validation** to enhance **user experience**.
  - Strengthened skills in **responsive design**, **component structure**, and **state handling**.
  - Reviewed code with peers and followed best practices for clean, maintainable development.

- **Apexcify | Remote**
  Frontend Developer Intern [September 2025] – [October 2025]
  - Developed **interactive UI** components using **HTML5**, **CSS3**, **JavaScript**, and **Bootstrap**.
  - Implemented a **calculator** project to strengthen **JavaScript logic** and **DOM manipulation** skills.

- **Freelance Frontend Developer | Remote**
  Freelancer [2025 – Present]
  - Developed responsive landing pages and business websites for clients using **React.js**, **HTML5**, **CSS3**, and **JavaScript**.
  - Customized UI components and optimized performance for **faster load times** and **improved accessibility**.
  - Maintained clean, **scalable codebases** and collaborated with **clients** to translate requirements into **functional designs**.

PROJECTS

- **Voice-Controlled Bluetooth Car |** Personal Project
  - Built a voice-controlled car using **Arduino UNO**, **HC-05 Bluetooth module**, and **L298N motor driver**, integrating precise motor control and **responsive voice commands**.
  - Programmed **Arduino** in **C++** to process voice commands via **smartphone**.
  - Achieved real-time response with **90%+ accuracy** in voice recognition.

- **"Kalmni" Real-Time C++ Chat Application** | Personal Project
  - Developed a desktop chat application in **C++** with **ImGui**, **SDL2**, and **OpenGL**, featuring a WhatsApp-style **UI** with **scrollable chats**, **nicknames**, and **file sharing**.
  - Engineered **modular**, **clean-code architecture** with **TCP socket communication** for multi-user messaging, file transfers, and **timestamped history**.
  - Implemented multi-threading for **concurrent message handling** and optimized **network latency** by **20%** through **socket buffer tuning**.

- **"Biblios" E-Commerce website** | Personal Project
  - Designed **multiple responsive pages**, featuring a unique **Greek-inspired** theme.
  - Integrated **Font Awesome** and **Swiper** libraries to enhance UI/UX with interactive icons and carousels.
  - Implemented **smooth navigation**, **dynamic product listings**, and **state management**

- **Audio Player Application (JUCE Framework) | Personal Project**
  - Developed a cross-platform desktop audio player using the **JUCE C++ framework**, implementing real-time **audio streaming** and **low-latency playback**.
  - Designed a modular audio engine using **JUCE's AudioAppComponent** and **AudioTransportSource** for precise **playback control**.
  - Implemented **WAV/MP3** file loading, **waveform rendering**, **play/pause/seek controls**, and **dynamic playlist management**.
  - Handled **audio buffers** and **sample processing** to ensure **glitch-free playback** and **smooth performance**.
  - Applied **object-oriented architecture** to separate **GUI**, **audio processing**, and **state management** layers.
  - Optimized **memory handling** and **thread synchronization** to maintain stable **real-time audio performance**.

- **Matrix Image-Based Editor | Personal Project**
  - Built an image editor using **matrix-based** image processing techniques in **C++**.
  - Implemented filters, **grayscale conversion**, **edge detection**, and **transformation operations** using **pixel-level manipulation**.
  - Strengthened understanding of **algorithms**, **memory management**, and **data structures** through **optimized matrix operations**.

SKILLS

Web Development: HTML5, CSS, React Native, Node.js, Bootstrap, UI/UX Design, Vite
Programming Languages: C++, Python, JavaScript, TypeScript, Lua
Embedded Systems: Arduino, Circuit Design
Tools & Platforms: Git, Linux, Docker, Shell Scripting