
EDUCATION**B.S.E. in Computer****Engineering****Al-Azhar University, Cairo, Egypt****2019 - 2023**

- Completed coursework in computer science and engineering, including courses in algorithms, data structures, computer networks, software engineering, and digital electronics.

Graduation Project:

Customizable Virtual Voice Assistant: Developed a customizable voice assistant for my graduation project, empowering users with personalized automation scenarios, workflows, and commands. Integrated traditional voice assistant features with enhanced customization options, delivering a tailored and versatile user experience.

Responsibilities

- As the team lead, successfully guided the design and development of a customizable virtual voice assistant. Effectively resolved conflicts among team members, ensured cohesive planning, and maintained project focus, resulting in timely delivery without losing sight of the project's goals and objectives.
- Took full ownership of the front-end development, utilizing Angular, ElectronJS, PrimeNG, Material, and Sass to create a seamless user interface.

Frontend tools and Technologies: Angular, ElectronJS, PrimeNG, Material, and Sass.

EXPERIENCE**Front-end Intern****Banque Misr, Egypt****Summer 2022**

- As a Frontend Developer intern at Banque Misr in the summer of 2022, I played an integral role in the development of an e-commerce application. Here are the key highlights of my experience:
 - Responsibilities:** I used my skills in HTML, CSS, TypeScript, and Angular to develop multiple UI components and services that eased API consumption.
 - Agile Environment:** I worked in an Agile environment and collaborated closely with the backend team to ensure seamless integration of the frontend with the API.
 - Learning:** This internship allowed me to learn industry best practices in web application development and strengthen my teamwork, communication, and technical skills.

Overall, this internship was a valuable experience that helped me develop my technical ability and prepare me for future opportunities in Frontend Development.

Problem Solving Contestant**ACPC Organization****2021: 2022**

- Participated in the 2021 Al-Azhar Collegiate Programming Contest, ranked 20st.

SKILLS AND TECHNOLOGIES**Technical Skills:**

- Languages:** JavaScript, TypeScript, Python, Rust, HTML, CSS, SASS, TailwindCSS
- Frameworks & Libraries:** Angular, ElectronJS
- Databases:** SQL
- Tools & Technologies:** Git, Docker, Material UI, PrimeNG, Web Assembly
- Concepts:** Object-Oriented Programming, Design Patterns, Data Structures, Algorithms, NgRx, Agile Methodologies, Responsive Web Design.

Soft Skills:

- Developed strong communication and leadership skills as a representative and leader, acting as a liaison between students and staff, and effectively organizing the academic process.

PERSONAL PROJECTS

- Mini-Motion:**
 - a web application that allows users to upload and manipulate video content in real-time.
 - video manipulation in real-time, Thumbnail generation using FFmpeg, Infinite scroll for browsing large amounts of content, and integration with VideoJs for playing and displaying video content.
 - Built with:** Angular, Rust, RxJs, Firebase & Firestore, SharedArrayBuffer, VideoJs, Tailwind CSS

- **Mom-Secret-Recipe:**
 - JavaScript application that interacts with the Forkify API to fetch and display recipe food data.
 - The user can search for a specific recipe and save it to a favorites list via local storage.
 - The user can easily increase or decrease servings as per his need and can view detailed directions.
 - **Built with:** HTML, CSS, Modern JS tools such as Parcel to bundle the modules, and Babel
- **Image effects:**
 - web application that allows users to upload their colored images and convert them to black and white using rust and web assembly.
 - **Built with:** HTML, JavaScript, Rust, WebAssembly, webpack, Tailwind CSS.
- **Mapty:**
 - log your running or cycling workouts with location, distance, time, pace, and steps/minute. You can also see all your workouts briefly and on a map.
 - **Built with:** Html, CSS, JS, Parcel, Babel, leaflet library, GeoCode API, Netlify
- **Bankist:**
 - The Interactive Vanilla JavaScript Website with many effects for practice
 - in this project I've learned and applied advanced techniques of DOM manipulation and animation, I also faced the challenge of making the site fully responsive.
 - **Built with:** HTML/CSS and JS, Single Page Website - Scroll animations and Modern Look