

# Heba Mohamed Assy

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## PROFESSIONAL SUMMARY

**Frontend Developer (React.js | JavaScript | TypeScript | UI/UX)** with experience in building **scalable, responsive, and user-friendly applications**. Skilled in **component-based architecture**, **state management (Context API)**, **RESTful API integration**, and **performance optimization**. Strong foundation in **OOP, SOLID principles**, and **design patterns** with a background in C++ problem-solving. Demonstrated leadership and collaboration through teaching, project management, and mentoring roles.

## Skills / Key Competencies:

### Technical Skills

- **Languages:** JavaScript (ES6+), TypeScript, HTML5, CSS3
- **Frameworks/Libraries:** React.js, React Router, Tailwind CSS, Bootstrap
- **State Management:** Context API
- **Programming Fundamentals:** C++, OOP, Design Patterns, SOLID Principles, Algorithms & Data Structures
- **Build Tools:** npm, Vite
- **Version Control:** Git, GitHub
- **Other:** Basic 3D Art (Blender), Scratch/code.org (for teaching), Excel

### Soft Skills

- Leadership & Team Management
- Communication & Collaboration
- Problem-Solving & Analytical Thinking
- Adaptability & Time Management

## Professional Experience

### Programming Instructor | iSchool (Part-time) – 2024

- Taught programming basics (**code.org, JavaScript, Web fundamentals**) to grade 4 students.
- Simplified technical concepts into engaging lessons, achieving an **average rating of 4.5/5** from students and parents.

### Freelance 3D Artist – 2024

- Designed and sold **3D models** and simple digital assets online.

### Operations Assistant | Farasha Clothing Business – 2023

- Handled logistics including order tracking, Excel reporting, and coordinating shipments with couriers.
- Managed product inventory and assisted in marketing through flyers and media preparation.

### Team Leader | Gmind (3D Art) – 2022

- Led a team of 3D artists, assigning tasks, creating **training materials**, and delivering tutorials.
- Coordinated work to meet deadlines for digital projects.

## Projects

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### E-Commerce Web Application | React.js, Tailwind, Context API (07/2025 – ongoing)

- Built a **responsive and scalable e-commerce platform** with product filtering, cart, and checkout.

- Integrated **React Router** for navigation and **Context API** for global **state management**.
- Applied **performance optimization** techniques and modular architecture.
- Project Link: [GitHub Repository](#).

#### **Bank Management System | C++ (OOP) (1-2025)**

- Built a console-based banking system with features such as **Add User, Deposit, Withdraw, Transfer**.
- Applied OOP concepts including **inheritance, polymorphism**, and exception handling.
- Project Link: [GitHub Repository](#).

#### **XO Game | Java (2024)**

- Designed and implemented a simple XO game applying logic building and problem-solving skills.
- Project Link: [GitHub.Repository](#).

#### **VR Bank (Graduation Project) | Unity + 3D Art (2022)**

- **Led a team of 3D artists** to deliver an interactive VR application for financial literacy.
- **Coordinated** cross-functional tasks, **trained** junior members, and ensured project delivery.

### **Courses & Certifications**

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- **Front-End Development Nanodegree** | Route Academy (2025)
- **Fundamentals of Programming** (C++, OOP, Design Patterns, SOLID) | Route Academy (2024)
- **ICDL Certificate** | Alexandria University
- **Web Development Bootcamp** | Udemy (2021)

### **Extracurricular Activities**

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- Member of **student media and event organization teams** during university.

### **Languages**

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- **Arabic:** Native
- **English:** Intermediate

### **Education**

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#### **B.Sc. in Management Information Systems (MIS)**

Alexandria University – Class of 2022

Graduation Project: VR Bank – Interactive VR game for financial literacy (**Team Leader, 3D Art**)