MARIAM ELSAYED

Alexandria, Egypt

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Summary

Motivated Front-End Developer specializing in building modern, responsive web applications using React.js, TypeScript, and Next.js. Focused on delivering clean, maintainable code and intuitive user experiences. Eager to contribute strong technical skills and a passion for high-quality front-end development to impactful projects.

Experience

Freelance

Front-End Developer *Alexandria, Egyp*
- Freelance Front-End Developer working alongside a Front-End Engineer. Assisted in designing and developing key project components, ensuring responsive layouts, clean code, and seamless user experiences

ITI Summer Training **Aug 2024 - Sep 2024**

Frontend Web Development (React.js) *Alexandria, Egypt*
- Gained hands-on experience with HTML5, CSS3, Bootstrap, JavaScript, and React.js, developing responsive web applications and dynamic user interfaces while collaborating on team projects using version control and agile methodologies.

Education

Bachelor's Degree in Computer Science **Sept 2021 – July 2025**

Faculty of Science, Alexandria University *Alexandria, Egypt*
CGPA: 3.64/4.0

Projects

CodeMap – AI-Powered Learning Platform **GitHub — GitHub — Live Demo**

React.js,TypeScript, Node.js, React Router, REST APIs,framer-motion *Graduation Project*
- Full-stack learning platform with roadmap generation, progress tracking, AI chatbot, and tasks assigned to every roadmap.
- Includes features such as form validation using Yup and React Hook Form, data fetching with Axios and React Query, user-friendly notifications with react-hot-toast, and a Gemini LLM chatbot for personalized learning recommendations.
- Built a dynamic admin dashboard leveraging Next.js, Redux Toolkit and Tailwind CSS

Visual Studio Code Clone **GitHub — Live Demo**

React.js, react-resizable-panels, react-syntax-highlighter
- Developed a detailed front-end VS Code clone using React.js, TypeScript, Tailwind CSS, Redux, react-resizable-panels, and react-syntax-highlighter, precisely replicating the look and core features of the actual VS Code editor.

Full-Stack E-Commerce Website (Shopzy Store) **GitHub — Live Demo**

React.js, Chakra UI,Supabase
- Built an e-commerce app for selling mobile phones using React, TypeScript, Chakra UI, and Supabase. Managed state and APIs with Redux Toolkit Query. Features: product list, shopping cart, user login, and dark/light mode.

Full-Stack To-Do List **GitHub — Live Demo**

Next.js, shadcn/ui, MongoDB, Prisma,Clerk authentication
- Built a full-stack To-Do app using Next.js, Tailwind CSS, shadcn/ui, MongoDB, and Prisma. Includes Clerk authentication, Zod validation, and a responsive, clean UI. Users can add, edit, mark, and delete tasks easily.

Java-Information-Retrieval-Models **GitHub**

Java
- Developed an Information Retrieval (IR) project using Java to implement core IR concepts including Boolean search, statistical models, document ranking, precision, recall, F-measure, Jaccard similarity, and cosine similarity. The project demonstrates practical applications of search algorithms, smoothing methods, and relevance ranking for text documents.

Normalized Discounted Cumulative Gain (NDCG) Calculator **GitHub**

Python
- Developed a Python script to calculate the Normalized Discounted Cumulative Gain (NDCG) metric, used to evaluate the ranking quality in information retrieval and recommender systems. The implementation computes DCG, IDCG, and the final NDCG score, demonstrating understanding of search engine evaluation metrics and ranking algorithms.

Technical Skills

Programming Languages: HTML5, CSS3, JavaScript, TypeScript, Python, Java,go,c++
Web Technologies & Frameworks: React.js, Next.js, Bootstrap, Tailwind CSS, Chakra UI, shadcn/ui,
Authentication & State Management:Redux Toolkit, Redux Toolkit Query,React Query,JWT Authentication
Tools & Platforms: Git,GitHub, Vercel,GitHub, Visual Studio, Postman ,NetBeans ,Figma
Databases & ORMs: SQL Server, MySQL, MongoDB, Prisma , Strapi, Supabase
Core Concepts: Problem Solving, Data Structures, Algorithms, Object-Oriented Programming (OOP)
Additional Expertise: Human-Computer Interaction (HCI), Discrete Mathematics, Operating Systems, Image Processing, Machine Learning,Cloud Computing ,Distributed Systems