

Mahmoud Bahaa Ali

Communication Engineer & Frontend Developer

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Professional Summary

Highly skilled and dedicated Frontend Developer specializing in modern JavaScript frameworks like **React.js** and **Next.js**, with robust command of foundational web technologies including HTML, CSS, JavaScript (ES6+), TypeScript, SCSS, Tailwindcss, and Bootstrap, Complemented by strong version control practices using **Git** and **GitHub**. I bring a disciplined, detail-oriented approach to crafting intuitive, high-performance web applications. Passionate about creating seamless user experiences and eager to contribute expertise to innovative and challenging projects.

Education

Modern Academy for Engineering and Technology

Cairo, Egypt

Bachelor's Degree in Communication Engineering

2018–2023

- Graduated with GPA: 3.55/4.0 (Very Good)
- Relevant Coursework: Digital Signal Processing, Wireless Communication, Microwave Engineering, Mobile Communications.
- Senior Project: "5G Network Implementation and Analysis" - Received Excellence Award

Technical Skills

Frontend Technologies.....

- **JavaScript Frameworks:** React.js, Next.js
- **Core Technologies:** HTML5, CSS3
- **Programming Languages:** JavaScript (ES6+), TypeScript
- **Styling:** SCSS/Sass, Tailwind CSS
- **UI Frameworks:** Bootstrap, Material-UI

Development Tools & Practices.....

- **Version Control:** Git, GitHub
- **Development Tools:** VS Code, Node.js

Engineering & Design.....

Engineering Skills: Signal Processing, Network Analysis, System Architecture, Circuit Design

Design Tools: Figma, Adobe XD, Responsive Design, UI/UX Principles

Soft Skills: Problem Solving, Team Leadership, Project Management, Cross-functional Collaboration

Featured Projects

React.js, Next.js, Tailwind CSS

E-Commerce Platform

2025

- Developed a full-featured e-commerce platform with shopping cart, payment integration, and admin dashboard
- Implemented server-side rendering with Next.js for improved SEO and performance
- Created responsive design using Tailwind CSS with custom animations and micro-interactions

React.js, TypeScript, SCSS

Task Management Application

2025

- Built a comprehensive task management system with drag-and-drop functionality
- Implemented state management using React Context API and custom hooks
- Utilized TypeScript for type safety and better development experience
- Integrated local storage for data persistence and offline functionality

React.js, API Integration, Bootstrap

Weather Dashboard

2025

- Created an interactive weather dashboard consuming third-party APIs
- Implemented real-time data visualization with charts and graphs
- Designed responsive interface using Bootstrap with custom styling
- Added geolocation features and weather forecasting capabilities

Military Service

Egyptian Armed Forces

Egypt

Military Service

2024–2025

- Demonstrated leadership, discipline, and ability to work under pressure
- Enhanced project management and team coordination skills
- Developed strong attention to detail and systematic problem-solving approach
- **Completion Date:** 2025

Achievements & Certifications

- Cisco Certified Network Associate (CCNA)
- 5G Technology Fundamentals

Languages

Arabic: Native Speaker - Fluent

English: Fluent - Professional Proficiency

Interests & Hobbies

Technology: Open Source Contributions, Learning New Frameworks, Tech Community Involvement

Engineering: IoT Projects, Signal Processing Applications, Hardware-Software Integration

Languages: Fluent communication in Arabic and English, Cross-cultural collaboration

Personal: Continuous Learning, Problem Solving, Innovation, Community Development