Mohamed Bahaa

Computer Engineer

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🔗 github.com/Mowaah 🔗 https://portfolio-mowaahs-projects.vercel.app/

EDUCATION

-Bachelor's degree	09/2018 – 02/2023
Arab Academy for Science, Technology and Maritime Transport	Alexandria, Egypt

PROFESSIONAL EXPERIENCE

Project Studio - AirTick   01/2025 – present
Full Stack Software Engineer
- Developed a QR-based instant ticketing app with user and company dashboards
- Used React, TypeScript, Vite, and shadcn/ui to deliver a seamless user experience
- Implemented authentication, analytics, and real-time ticket validation logic

Project Studio - Tavearn   02/2024 – present
Full Stack Software Engineer 🔗
- Led development of a restaurant management platform handling inventory, orders, menu, and analytics, and much more.
- Built reusable UI components using Next.js, TypeScript, Sass, and Ant Design
- Data fetching and error handling implementation with Axios.
- Developed and optimized a REST API with Django Rest Framework, implementing JWT authentication, pagination, and detailed documentation

PROJECTS

SubSync
Mobile Subscription Tracker
- Track and manage digital subscriptions with financial insights, reminders, and analytics.

React Native, Redux, React Navigation, React Native Paper

CTRL+PC
Fully functional e-commerce website for selling PC components.
- The website was built with PHP, MySQL, and JavaScript, featuring a user-friendly interface. It includes a product search, reviews, and a blog with articles on PC components to enhance the customer experience.

Self-Parking Car
Self-parking robotic car using a variety of sensors and actuators.
- Developed a self-parking robotic car for a graduation project using sensors and actuators like H-bridge, Raspberry Pi, servo, camera, ultrasonic sensor, and more. The car autonomously parks itself by perceiving its surroundings and controlling its movement, showcasing skills in engineering, programming, and electronics.

SKILLS

- **Frontend**: HTML5, CSS3, JavaScript, TypeScript, Vite, React, Next.js, React Native
- **State** & **UI**: Redux, Context API, Tailwind CSS, SASS/SCSS, Material UI, shadcn/ui, React Native Paper
- **Tools** & **Others**: Git, REST API, GraphQL, React Navigation, Responsive Design, AsyncStorage

CERTIFICATES

- Meta Front-End Developer Professional Certificate
- Robotics Professional Certificate From AAST

LANGUAGES

English ● ● ● ● ○   Arabic ● ● ● ● ●