

ALI MAGDY

Email me: alimagdye1@gmail.com

Call me: +20 12 7813 7844

Address: New Cairo, Cairo, Egypt

LinkedIn: linkedin.com/in/alimagdye

GitHub: github.com/alimagdye

Portfolio: alimagdy.vercel.app

PROFESSIONAL SUMMARY:

I'm a Computer Science student at Ain Shams University, passionate about software and web development specializing in backend development with expertise in **Node.js**, **Express.js**. My projects reflect my ability to use computer science to enhance companies' workflows and introduce new ideas after studying its unique needs, as demonstrated by my development of HFD project.

EDUCATION:

Ain Shams University, Cairo | **B.S. COMPUTER SCIENCE** | GPA: 3.2 / 4.0 | Expected JUN 2026

Concentrations: Software Development, Web Development, Database Systems, Algorithms and Data Structures

SKILLS:

Languages/ Framework/ tools/ Other:

- JavaScript, Java, C++, HTML, CSS, SQL, Node.js, TypeScript, Express.js, MySQL, PostgreSQL, MongoDB.
- Prisma ORM, Supabase, REST APIs, WebSocket, Middleware, Database Design, OOP, JWT, Jest, CLI, Git.

EXPERIENCE:

Freelance AI Trainer - Outlier AI

DEC 2024 - Present

- Contributed to the development and improvement of generative AI models by providing coding expertise, crafting complex computer science problems, and training AI systems to understand and generate high-quality code in **Java**, **JavaScript**, and **C++** and frameworks like **Express.js**.
- Evaluated, ranked, and provided feedback on AI-generated code, ensuring adherence to strict coding standards, style, and grammar, while collaborating on tasks that required **strong problem-solving skills**.

Freelance Web Developer - Zahret Misr Company

OCT 2024 - OCT 2024

- Increased product visibility by developing a website to showcase the company's agricultural products, allowing customers to explore Fresh Fruits and Vegetables online, and make orders using an Integrated functional contact form with **Web3Forms API**.
- Enhanced website performance by 40% by implementing dynamic product cards with **lazy loading**, interactive **modals** for product details, and smooth scrolling navigation, leading to a faster and more engaging user experience.

Link: github.com/alimagdye/zahret-misr

PERSONAL PROJECTS:

Real-Time Chat Application

JAN 2024

- Developed a **real-time** chat application using **Node.js**, **Express.js**, **Socket.io**, **PostgreSQL**, and **Supabase client**, enabling **two-way communication** and real-time messaging and database persistence to efficiently manage message storage.
- Implemented **JWT-based authentication** for secure login/signup and protected **WebSocket** connections using **middleware**.

Link: github.com/alimagdye/Real-Time-Chat-Application

Cinema System

NOV 2024

- Built a cinema hall and seat reservation system in **Java**, featuring real-time seat availability, efficient booking flow, and dynamic seat management using **OOP** principles.
- Implemented a movie scheduling and reporting system that reduced manual scheduling time and generated real-time insights on seat usage and movie popularity.

Link: github.com/alimagdye/Cinema-System

Bank website

OCT 2024

- Developed a personal banking project using **HTML**, **CSS**, and **JavaScript**, simulating account login and transaction management with client-side storage, ensuring data persistence within the browser.
- Designed a **responsive**, user-friendly interface that displays bank information on the homepage and adapts to multiple devices, enhancing accessibility and usability.

Link: github.com/alimagdye/trust-bank

Product Management API

SEP 2024

- Developed a full-featured **CRUD REST API** using **Node.js**, **TypeScript**, and **Express.js**, **PostgreSQL database**, **Prisma ORM**, managing users, products, and its updates.
- Implemented secure **JWT authentication** and **middleware protection** to ensure secure access and enforcing data validation with **express-validator**.

Link: github.com/alimagdye/product-management-api

Notes CLI App

AUG 2024

- Developed a full-featured Notes Management CLI App using **Node.js**, integrating **Yargs** for CLI command parsing, enabling users to create, view, find, and delete notes with simple commands.
- Implemented **file handling**, **asynchronous programming**, and template interpolation for efficient data management, allowing users to view notes via a local **web server** that opens automatically.

Link: github.com/alimagdye/note-app

HFD Database for a virtual Hotel

DEC 2023

- Designed and implemented a comprehensive **MySQL database** for a hypothetical hotel catering to individuals with disabilities, managing guest information, employee details, medical records, entertainment trips, and departmental activities.
- Projected significant operational improvements, estimating a 30% increase in guest satisfaction through tailored accommodations and a 20% boost in efficiency by streamlining guest and departmental data management, based on logical assumptions and industry benchmarks.

Link: github.com/alimagdye/HFD-database

CERTIFICATES:

- TypeScript 5+ Fundamentals, v4, Frontend Masters - JUN 2025
- Introduction to MongoDB, Frontend Masters - APR 2025
- Complete Intro to Real-Time, Frontend Masters - FEB 2025
- API Design in Node.js, v4, Frontend Masters - FEB 2025
- Digging Into Node.js, Frontend Masters - JAN 2025
- The Hard Parts of Servers, Frontend Masters - JAN 2025
- Introduction to Node.js v3, Frontend Masters - JAN 2025
- React Basics, Meta - SEP 2024
- Front End Web Development Using React, ITI - AUG 2024
- AI Career Essentials, ALX - JUL 2024
- HTML and CSS in depth, Meta - JUL 2024
- Version Control, Meta - APR 2024
- Programming with JavaScript, Meta - FEB 2024
- Introduction to Front-End Development, Meta - OCT 2023