

ALI MAGDY

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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:

Part-time 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.

Part-time 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