

# ALI ZAKI

Mansoura 35511

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## Professional Summary

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Backend Engineer with practical experience in developing scalable RESTful and GraphQL APIs using Node.js and Express. Skilled in MySQL, PostgreSQL, MongoDB, and API documentation. Designed and implemented a mentor-mentee matching algorithm based on user profiles and preferences, also integrated Paymob for handling secure subscription payments within the platform. Delivered a production-grade accounting system used by client for 2+ years. Demonstrated strength in project planning, team leadership, and solving real-world problems through hands-on delivery. Skilled in writing clear technical documentation and collaborating effectively across teams.

## Education

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### Mansoura University

*Faculty of Computer & Information Sciences*

**Sep. 2021 – Present**

*Mansoura, Egypt*

Final-year student focused on backend development, system design, and real-world software solutions.

## Projects

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### Online Mentorship Platform | *Node.js, Express, PostgreSQL, Paymob*

**Jul. 2025**

- Led a team to develop a platform matching students with mentors using a smart matching algorithm.
- Integrated Paymob payment gateway for subscriptions.
- Authored full API documentation and led project book writing.

### Accounting System for Local Client | *Node.js, Express, MongoDB, HTML, CSS, JS*

**May. 2023**

- Designed and implemented a full accounting system used in production for 2 years.
- Built frontend, backend, and database from scratch.

### Trip Booking System | *Node.js, Express, MongoDB, Stripe, Pug*

**Apr. 2023**

- Built a full-featured trip booking system after completing Node.js bootcamp.
- Implemented user registration, trip listing, and booking logic using clean MVC architecture.
- Integrated Stripe for secure online payment handling.
- Practiced real-world API structuring, routing, and MongoDB schema design.
- Developed the frontend using the Pug template engine for modular and maintainable views.

## Technical Skills

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**Languages:** JavaScript, TypeScript, Python, C#

**Backend:** Node.js, Express.js, REST APIs, GraphQL

**Databases:** MongoDB, Mongoose, MySQL, PostgreSQL

**Frontend:** HTML, CSS, JS, Pug

**Tools:** Git, GitHub, Postman, VS Code

## Certifications & Online Courses

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### CS50's Introduction to Databases with SQL

*Mar. 2024*

**HarvardX**

*Certificate Link*

### Node.js, Express, MongoDB & More: The Complete Bootcamp

*Apr. 2023*

**Udemy**

*Certificate Link*

### Web Development Challenger Track

*May 2022*

**Udacity**

*Certificate Link*

### CS50's Understanding Technology

*Mar. 2022*

**HarvardX**

*Certificate Link*

### CS50's Introduction to Computer Science

*Jan. 2022*

**HarvardX**

*Certificate Link*