

# AHMED OSAMA ABDELAAL

## BACKEND ENGINEER

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## PROFESSIONAL SUMMARY

Backend Engineer with strong expertise in Node.js, Express.js, and MongoDB, building scalable, high-performance systems with clean, maintainable architecture. Experienced across both SQL and NoSQL databases. I enhance development speed and problem-solving with a modern, AI-assisted workflow leveraging Windsurf, ChatGPT, Claude, and Perplexity to deliver high-quality solutions efficiently. Committed to OOP and SOLID principles.

## TECHNICAL SKILLS

### Programming Languages

JavaScript  
TypeScript

### Backend Technologies

Node.js  
Express.js  
nest.js

### Databases

MongoDB  
Mongoose  
MySQL

### Development Tools

Docker  
Postman  
GitHub  
Windsurf

### AI & Productivity Tools

GitHub Copilot  
ChatGPT  
Perplexity  
Notion

### APIs

REST APIs  
GraphQL  
OOP  
SOLID Principles

### APIs & Architecture

OOP  
SOLID Principles

## PROJECTS

### E-commerce Backend API

Comprehensive e-commerce backend featuring secure authentication, product management, and file handling. Implemented role-based access control and email notifications with modular, scalable architecture.

Technologies: Node.js, Express, MongoDB, Mongoose, JWT, bcrypt, Cloudinary, Multer, Nodemailer

## EDUCATION

Bachelor of Computer Science  
Thebes Academy Jan-2025

## CERTIFICATIONS

Backend web development (Node.js)  
Route Academy