

# Mohamed Hesham

## Full-Stack Developer

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Portfolio: <https://portfolio-olot.vercel.app/>

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Github : <https://github.com/Mohamedasddf> | <https://github.com/Mohamed-hesham100>

### Summary:

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Full Stack Developer and Computer Science student with a strong background in designing and implementing scalable web architectures. Proficient in developing and optimizing both frontend and backend systems, building secure and high-performance APIs, and implementing robust authentication and authorization mechanisms. Experienced in database management, ensuring data integrity, performance optimization, and seamless integration of third-party services. Adept at maintaining high security, efficiency, and scalability standards in full-stack development

### Skills:

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- Programming Languages: JavaScript, TypeScript, Python, HTML, CSS
- Backend Technologies: Django, Node.js, Express.js, Django REST Framework (DRF)
- Frontend & UI: React.js , Redux Toolki , Next.js , Tailwind CSS , Framer Motion, MaterialUI Design
- RESTful API Development: Django REST Framework (DRF), Express.js
- Databases: MongoDB, PostgreSQL
- Authentication & Security: OAuth, JWT
- Development & Collaboration Tools: Git, GitHub, Postman
- Operating Systems: Windows
- Other Skills: OOP, SQL, API Testing, Team Collaboration, Problem Solving

### Education:

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Bachelor of Computer Science (2nd Year)

EELU University, Tanta Branch | 2023 – Present

## Projects:

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1-Full-Stack E-commerce Platform: Developed a complete e-commerce platform using Node.js, Express.js, React.js, and MongoDB. Implemented user authentication, product management, a shopping cart system, order processing, and integrated secure payment gateways like PayPal and Stripe.

2-E-commerce API System: Designed and developed a robust RESTful API for an online store using Express.js and MongoDB. Included authentication, product catalog management, order processing, and secure payment integration.

3-Comprehensive Blog Platform: Built a full-featured blogging system using Django and PostgreSQL, supporting user authentication, post creation, comments, categories, and an intuitive admin dashboard for content management.

4-Inventory Management System: Developed an inventory management system using JavaScript, HTML, and CSS, allowing businesses to track stock levels, manage suppliers, and monitor order fulfillment efficiently.

## Professional Experience:

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Freelance Full Stack Developer [05/2024 – Present]

Developed and optimized full-stack applications using Python, Django, Node.js, Express.js, and React.js.

Designed and managed PostgreSQL & MongoDB databases, ensuring data integrity and performance optimization.

Built and integrated scalable RESTful APIs with secure authentication and third-party service integration.

Implemented performance optimizations, including lazy loading, caching strategies, and database query optimization to enhance page speed and responsiveness.

Developed interactive and user-friendly frontend interfaces, ensuring a seamless user experience.

Enhanced website security by implementing best practices in authentication, authorization, and data protection.

## Languages:

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- Arabic: Native
- English: Intermediate