

# Ahmed Abdulrahman Mohamed Amin

## Backend Developer | Django Specialist

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Al-Fayoum, Egypt

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## Professional Summary

Passionate **Django backend developer** with expertise in **Python, Django REST Framework, SQL, and Linux**. Experienced in building scalable web applications, including e-commerce platforms, social media sites, and CRM tools. Eager to contribute to innovative projects while expanding skills in **software development, cybersecurity, and cloud computing**.

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## Technical Skills

- **Languages:** Python, C++, C, Java, SQL, Bash, PowerShell
  - **Web Development:** Django, Django REST Framework, HTML, CSS
  - **Databases:** MySQL, SQL
  - **Tools:** Git, GitHub, Docker, VS Code, Postman, Vim, Ubuntu
  - **Other:** Linux, Agile, Markdown, Networking Basics, Penetration Testing Basics
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## Education

### Faculty of Computers and AI, Fayoum University

Bachelor of Computer Science and AI | Expected Graduation: 2026

- **Relevant Coursework:** Python, C++, Java, Data Structures, Algorithms, AI, OS, Software Engineering.

### New Fayoum Secondary School

General Egyptian Certificate of Secondary Education | 2022

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## Certifications

- **ALX Software Engineering Program** | Backend Web Development | 2024
  - **ALX Professional Development Skills** | Leadership, Critical Thinking, Communication | 2024
  - **C Programming** | Mahara-Tech | 2024
  - **Java Programming** | Mahara-Tech | 2024
  - **OOP with C++** | Mahara-Tech | 2024
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## Notable Projects

1. **Shopping Website** (*Django, MySQL, JWT & Cookies Authentication*)
    - Developed a **full-stack e-commerce platform** with **secure authentication**, **product management**, **search functionality**, **shopping cart**, and **checkout system**.
  2. **Social Media Website** (*Django, MySQL, Session-Based Authentication*)
    - Built a **social networking site** supporting **user profiles**, **post creation**, **comments**, **likes/dislikes**, and **real-time chat**.
    - Implemented **user and post search** for enhanced discoverability.
  3. **Recipe Management API** (*Django REST Framework, MySQL, JWT & Cookies Authentication*)
    - Designed a **RESTful API** for **managing and searching recipes**.
    - Supported **CRUD operations** and **advanced search** by **title**, **category**, **ingredients**, **cooking time**, **serving time**, and **preparation time**.
  4. **Library Management API** (*Django REST Framework, MySQL, JWT & Cookies Authentication*)
    - Built a **library management system API** with **user authentication**, **book checkout & return system**, and **CRUD operations for books and users**.
  5. **Chatbot API** (*Django REST Framework, MySQL, JWT & Cookies Authentication*)
    - Developed a **token-based chatbot API**, where users **start with 4000 tokens**, and each message costs **100 tokens**.
    - Integrated a **purchase system** for users to buy additional tokens.
    - The chatbot **provides predefined responses** ("This is a dummy AI response.").
  6. **CRM Web Application** (*Django, MySQL, Session-Based Authentication*)
    - Created a **CRM tool** for small businesses, enabling **client database management**, **task assignments**, and **role-based access control**.
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## Languages

- **Arabic:** Native
  - **English:** Professional Working Proficiency
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## Interests

- **Web Development & Backend:** Exploring new frameworks and optimizing APIs.
- **Cybersecurity & Ethical Hacking:** Understanding security vulnerabilities and penetration testing.
- **Cloud Computing & DevOps:** Learning about AWS, Docker, and CI/CD pipelines.
- **AI & Machine Learning:** Interested in AI-driven applications and automation.