

# Ayman samir ahmed

Full-Stack Engineer | Django | React

## CONTACT

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[LinkedIn](#) - [GitHub](#) - [Portfolio](#)

## SUMMARY

Analytical Developer with a Bachelor's in Engineering, applying rigorous problem-solving to build scalable web architectures. Specialized in Python (Django) and React/Redux Toolkit , with a focus on database optimization and secure API design. Leverages 5 years of professional engineering experience to deliver structured, high-quality code and effective project management in cross-functional teams.

## INTERNSHIP

### Information Technology Institute (ITI) – Intensive Training Program

Nov 2024 – May 2025

Full Stack Web Development using Python

- Completed hands-on training to build scalable web applications.
- Gained expertise in front-end and back-end development, database management, and API integration.
- Built on real-world projects to enhance problem-solving and collaboration skills.

### African Leadership Xcelerator (ALX)

Jul 2024 – Sep 2024

ALX Foundation Scholarship – Professional Development

- Completed an intensive program focused on essential digital-age skills, leadership, and problem-solving.
- Developed critical thinking and teamwork abilities through real-world challenges.

## EDUCATION

### Zagazig Higher Institute of Engineering and Technology

2013 – 2018

Bachelor's Degree in construction engineering.

**Graduation Project:** Foundations (Grade: A+)

## TECHNICAL SKILLS

- **Frontend:** HTML5, CSS3, JavaScript, React, Redux Toolkit, Bootstrap, jQuery
- **Backend:** Python (Django, Flask), RESTful APIs and JWT
- **Databases:** MySQL, PostgreSQL
- **DevOps & Tools:** Bash Scripting, Linux (Ubuntu), Docker, Apache, Nginx
- **Version Control:** Git, GitHub
- **Programming Fundamentals:** C++, Data structure

## SOFT SKILLS

- **Analytical Problem-Solving:** Expert at debugging complex logic and optimizing code for performance.
- **Cross-Functional Collaboration:** Proven ability to work effectively in diverse team environments, a skill developed through both engineering site management and software development.
- **Adaptability & Continuous Learning:** Rapidly integrates new technologies and frameworks, as evidenced by transitioning from Civil Engineering to Full-Stack development.
- **Time Management:** Highly skilled in balancing concurrent technical projects and meeting strict production deadlines.

PROJECTS	<b>Jumooth Media — Full-Stack Portfolio (React, Django, PostgreSQL)</b>
	<ul style="list-style-type: none"><li>• Architected a bilingual, responsive platform utilizing Lazy Loading to reduce initial page load times.</li><li>• Developed an accessible UI featuring responsive light/dark themes, RTL support, and interactive project galleries using Framer Motion.</li><li>• Engineered a secure backend with Django, DRF, and JWT, implementing role-based access, CSRF/XSS protection, and robust error handling.</li><li>• Deployment on Hostinger using Nginx and Gunicorn with HTTPS (Let's Encrypt) for secure, production-ready hosting.</li><li>• <a href="#">GitHub</a> - <a href="#">Live Demo</a></li></ul>
	<b>Crowdfunding Platform Web App (Django)</b>
	<ul style="list-style-type: none"><li>• Architected and Deployed a full-featured crowdfunding platform using Django and PostgreSQL.</li><li>• Implemented user authentication with email verification and social login (Google, Facebook).</li><li>• Handled password reset and update flows with custom templates.</li><li>• Designed a responsive UI using Bootstrap and custom CSS.</li><li>• Configured SMTP for email notifications like account activation and password reset.</li><li>• <a href="#">Demo Video</a> - <a href="#">GitHub</a></li></ul>
	<b>FAMMS E-Commerce Website (React &amp; Redux Toolkit)</b>
	<ul style="list-style-type: none"><li>• Engineered a dynamic online shopping platform featuring product catalogs, secure user authentication, and an intuitive admin dashboard for product and order management.</li><li>• <a href="#">Demo Video</a> - <a href="#">GitHub</a> - <a href="#">Live Demo</a></li></ul>
	<b>FoodTrove Bootstrap UI/UX Design Project</b>
	<ul style="list-style-type: none"><li>• Crafted a responsive and visually engaging interface using Bootstrap and Figma, significantly elevating user experience and accessibility.</li><li>• <a href="#">Demo Video</a> - <a href="#">GitHub</a></li></ul>
	<b>Database Management System (Bash Scripting &amp; Linux)</b>
	<ul style="list-style-type: none"><li>• Devised a robust command-line tool for efficient data handling, featuring comprehensive error handling and validation that resulted in a 30% improvement in query processing speed.</li><li>• <a href="#">GitHub</a></li></ul>
OTHER EXPERIENCE	<ul style="list-style-type: none"><li>• Civil Engineer &amp; Site Manager   Various Engineering Firms   2019 – 2024</li><li>• Developed project management and analytical problem-solving skills managing large-scale infrastructure projects before transitioning to software engineering.</li></ul>
LANGUAGES	<ul style="list-style-type: none"><li>• Arabic: Native</li><li>• English: Professional Working Proficiency.</li></ul>