

Ahmed Samir *Full Stack Developer*

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Summary

Software developer studying Computer Science & Mathematics at Helwan University. With skills in web development, data science, and cybersecurity, I'm constantly expanding my expertise.

Education

Bachelor of Science in Mathematics and Computer Science, 2021 – present
Faculty of Science Helwan University Cairo, Egypt
Studied algorithms, data structures, and programming (Python). Developed skills through projects in machine learning, network.

Experience

Software Programming instructor, almentor Dec 2024 – present
Delivered interactive programming sessions for teenagers, focusing on digital literacy, coding, and problem-solving, while adapting to various learning styles. Cairo, Egypt

Back-End Developer (Python), Sep 2024 – Oct 2024
Summer Internship | Information Technology Institute (ITI) Cairo, Egypt
Developed web apps with Django, Flask, and front-end tools, collaborating to improve features and enhance user experience.

Cyber Security Engineer Path, May 2024 – Oct 2024
Scholarship Recipient | Digital Egypt Pioneers Initiative (DEPI) Cairo, Egypt
Completed practical training in cybersecurity, Cisco networking, and Linux, while gaining skills in communication, freelancing, and digital tools.

Front-End Developer (React), Jul 2024 – Aug 2024
Summer Internship | Information Technology Institute (ITI) Cairo, Egypt
Built responsive web apps with HTML5, CSS3, Bootstrap, React, and modern JavaScript (ES6+) for improved interactivity and API integration.

Skills

Technical Skills

- *Programming Languages:* Python, HTML, CSS, JavaScript, SQL, C#, Typescript, Bash
- *Frameworks & Libraries:* React, jQuery, Bootstrap, Flask, Django. REST framework, SQLAlchemy
- *Databases:* MongoDB, MySQL, PostgreSQL
- *Others:* UI / UX, Linux, Data structure, Algorithms, operating system, Networks, RESTful APIs, Version Control (Git), security, mathematics, Docker & Data Science.

Soft Skills

Teamwork, Continuous Learning, presentation & teaching

Languages

Arabic (Native), English (Intermediate - B1) & French (Basic - A1)

Volunteering

SAF

Vice Head of the IT Committee at SAF, driving IT initiatives and contributing technical expertise to support the organization's mission.

Dec 2024 – present
Cairo, Egypt

Projects

SAF Website | student activity family [↗](#)

Jan 2025 – present

- Developed backend using Django, DRF, and PostgreSQL.
- Built secure RESTful APIs for user/post/role management.
- **Tech:** Django, Django REST Framework, PostgreSQL, Python, JWT, Git

Tytopya | Text Summarization Web App [↗](#)

- Created a Flask app with user auth, chatbot, and history tracking.
- Integrated T5-Large and RNN models for NLP tasks.
- **Tech:** Flask, SQLAlchemy, HTML/CSS, JavaScript, Bootstrap, T5, RNN, NLTK, spaCy

UR Social media app [↗](#)

- Full-stack app with user auth, posts, comments, and likes/dislikes.
- **Tech:** Django, Django REST Framework, HTML, CSS, JavaScript

Big Skills | Skills Tracking & Job Posting App [↗](#)

- Web app for skill management and job applications.
- **Tech:** Flask, SQLAlchemy, PostgreSQL, HTML, CSS, JavaScript

UR Store | E-commerce Web Template [↗](#)

- Multi-page template with product search and React Router.
- **Tech:** React.js, React Router, CSS, Bootstrap, Font Awesome

Contact Manager App [↗](#)

- Full-stack app with CRUD operations via RESTful APIs.
- **Tech:** React, Flask, SQLAlchemy

Big Mac Index App [↗](#)

- Flask app visualizing global Big Mac prices with interactive maps/charts.
- **Tech:** Flask, Python, Pandas, RESTful API, HTML, CSS, JavaScript, D3.js

Certificates

Scientific Computing With Python [↗](#)

Issued by freeCodeCamp

JavaScript Intermediate [↗](#)

Issued by Sololearn

Learn HTML & CSS [↗](#)

Issued by ITI

Python Web Pro [↗](#)

Issued by Udemy

Responsive Web Design [↗](#)

Issued by freeCodeCamp

Coding for Data [↗](#)

Issued by Sololearn

Database Fundamentals [↗](#)

Issued by ITI

AI Career Essentials [↗](#)

Issued by ALX

Git and Github [↗](#)

Issued by almadrasa

UX [↗](#)

Issued by ITI

Introduction to mongoDB [↗](#)

Issued by ITI

SEO [↗](#)

issued by edrak