

MAHMOUD TAREK EMBABY

COMPUTER & SYSTEMS ENGINEERING UNDERGRADUATE

✉ mah.embaby@outlook.com
🌐 [linkedin.com/in/mahembaby](https://www.linkedin.com/in/mahembaby)
🌐 www.embaby.space
☎ +20-12-7387-9640
📍 Alexandria, Egypt

EXPERIENCE

Software Engineer (Remote – Freelance) [\[Profile\]](#) 10/2020 – Ongoing

Freelancer Technology Pty Limited

- Completed over 200 projects of different scales in the field of SWE.
- Among the top 2% of Python Software Engineers in the platform.

Software Engineer (Remote – Part-time) 01/2023 – 09/2023

Spixnet GmbH

- Built [admin dashboard](#) for staff to handle orders, track sales and call APIs.
- Developed tools that automate domain registration, hosting and security.
- Built automation tools like Email Migration and Bulk Domain Checker.

Web Scraping Developer (Remote – Freelance) 09/2021 – 05/2022

Advanced Intersections Startup

- Developed over 100 tools that collect public data from different sources.
- Used Slack and Trello for project management.

EDUCATION

BSc. Computer & Systems Engineering 09/2020 – Present

Faculty of Engineering, Alexandria University

- Currently enrolled as a senior with CGPA 3.3 / Expected Graduation June 2025.

PROJECTS

Microsoft Invitation Emailing Software [\[Preview\]](#) Python

- An advanced marketing software that relies on Microsoft Viva Engage and Entra Groups to send millions of targeted marketing emails.
- Lookup tool that filters email addresses to valid M365 for targeted marketing.
- Licensed and owned by [DatabaseEmailer](#), sold at **\$1,200/year** per subscription.

Metasourcer [\[Link\]](#)

- Compilation of European companies' data, financial details and employees.
- Prepared a database of +22 million data records to power the project.
- Subscription-based solution.

RisikoMonitor Security Auditing [\[Link\]](#) Python & ReactJS

- An application that performs security checks to servers, websites and email addresses in regular basis and generates security audit reports.
- The data is stored in a large database for marketing and analysis.

PLPS Junior School Portal (Thailand) [\[Link\]](#) Python

- Developed a school portal for 600+ students, enabling course selection, timetable viewing, and attendance tracking.
- Implemented QR-based attendance system for teachers and admin dashboard for statistics and reports.

Large-Scale Web Scraping Python

- Built a large database with worldwide sanctions lists for KYC purposes.
- Created a database with +1 million freelancing projects data for research.
- Developed an automated data extraction pipeline to collect and organize data from various crowdfunding platforms, enabling detailed analysis and insights for a postgraduate student at Georgia Tech University.

PROGRAMMING

Python	Excellent
JavaScript	Good
Java	Good
SQL	Good
HTML & CSS	Good
C++	Fair

SKILLS

Software Architecture
Project Management
Automation
Data Mining & Data Analysis
Cloud Computing & AWS
Git & Version Control
Django & Flask
Database Management
Data Structures & Algorithms

COURSES

Amazon Public Cloud
(National Telecommunication Institute)

Web Development Nanodegree
(Egypt Forward Initiative – Udacity)

Full Stack Development Track
(1 million Arab Coders Initiative – Udacity)

CERTIFICATES

AWS Certified Cloud Practitioner
(Amazon Web Services)

STUDENT ACTIVITIES

ECPC Qualifications Participant
For the 2022 ICPC and 2023 ICPC contests.

Student Representative
Students Union, Faculty of Engineering,
Alexandria University.

Event Organizer
Enrollment and Medical Examination of 2026 freshmen.
Students Union, Faculty of Engineering,
Alexandria University.

More Projects

[MENA Directory](#)
[TIKR Financial Statements Scraper](#)
[Doctorkom – Healthcare Appointments](#)
[Amazon to DOCX Catalog Generator](#)
[Automobile Price Comparator App](#)
[Wikipedia Public Figures Scraping Tool](#)
[Scripts Scheduler App](#)
[Google Business Details Scraper](#)
[HavelBeenPwned Breach Checker](#)
[Shopify-Inventory Synchronizer](#)