

Ahmed Wael Elsisi

Computer Engineering Student & Freelancer

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Computer Engineering student with **4+ years** of hands-on experience in AI, software, and hardware engineering. Ranked in the **top 6.5%** of freelancers on Fiverr, delivering automation and ML solutions. Proven leader in IEEE, Amazon Transcend **Finalist**, and IEEEExtreme Competitor, with **strong ownership** & execution skills in real-world projects.

EXPERIENCE

Machine Learning Instructor, *British University in Egypt (SCE) – Cairo, Egypt* 01/2025 – 02/2025

- Delivered Machine Learning sessions to **600+ students, graduates and professionals** across multiple disciplines.
- Designed interactive quizzes & engagement-driven initiatives, **increasing participation rates from 50% to 95%**.
- Received the **highest instructor feedback rating** from participants, reflecting exceptional teaching effectiveness.

Summer Intern, *Commercial International Bank (CIB) – Cairo, Egypt* 07/2024 – 08/2024

- Earned **2 prestigious Data Analysis badges**: “Data Literacy in Practice” & “Data Literacy Essentials” by **SAS**.
- Conducted extensive studies about Cybersecurity & Risk Management, enhancing data protection protocols in FinTech.

Computer Engineering Freelancer, *Fiverr – Remote* 05/2021 – Present

- Secured **(95+) 5-star reviews** with an exceptional **98%** customer satisfaction & **36%** of orders being repeat buyers.
- Maintained an outperformance rate of **75%-84%** in “Software Development” & **85%-89%** in “Web Scraping”.
- Completed **(140+)** projects while maintaining a **92%** completion rate & establishing **90+** unique clients.
- Promoted to “**Level 1 Seller**” (2023) and “**Level 2 Seller**” (2024) earned by the **top 10%** of freelancers on Fiverr.

NOTABLE ACHIEVEMENTS

Amazon Transcend Finalist – **Top 6 in Egypt**, *Amazon – Cairo, Egypt* 12/2024 – 02/2025

- Secured a **Top 6 ranking** in the prestigious Amazon Transcend program, competing against leading universities in Egypt.
- Gained **exclusive access** through an on-site visit to Amazon’s warehouse, acquiring firsthand exposure to Amazon’s large-scale logistics & automation.
- Completed advanced IT operations & leadership training, enhancing strategic decision-making and **high-impact** problem-solving skills
- Engineered a last-mile delivery optimization solution, integrating Machine Learning, RFID tracking & real-time data processing, achieving a **75%** efficiency boost with **\$1.67B** projected annual savings.

IEEEExtreme 18.0 – **Top 12% Worldwide**, *IEEE – Global* 09/2024 – 10/2024

- Led IEEE-BUE’s **6-week** Competitive Coding Crash Course, preparing participants for the **24-hour** IEEEExtreme 18.0 coding competition.
- Ranked in the **Top 12%** out of **9,000+** teams globally, solving advanced algorithmic & problem-solving challenges in Python under high-pressure real-time conditions.

EDUCATION & CERTIFICATIONS

B.E. Computer Engineering, *British University in Egypt – Cairo, Egypt* **10/2021 – Present**

- Designed and implemented multiple engineering projects, including a Car Dealership DBMS (Python & MySQL) & a fingerprint-based attendance system (Arduino) – each earning an **A-grade** in core modules.

AI Data Science & Machine Learning Diploma ↗, *Telecom Egypt (WE) – Cairo, Egypt* **07/2024 – 10/2024**

- Completed a **240-hour intensive program** covering multiple Machine Learning Algorithms, Data Preprocessing Techniques & Exploratory Data Analysis.

ADDITIONAL COURSES & CERTIFICATIONS

Siemens Egypt – High Speed Rail Project Information Session ↗, *BUE* **11/2024**

Data Literacy in Practice ↗, *SAS* **07/2024**

Mega Robotics Program, *Smart Technology (CERT-ID 8243)* **07/2023**

Artificial Intelligence Training Diploma ↗, *IBS* **12/2023**

Introduction to Machine Learning ↗, *AITB* **02/2023**

Python Module Completion ↗, *Codecademy* **02/2021**

SKILLS

SOFTWARE

Programming Languages: Python, C, C++, Assembly (x86), HTML, CSS, JavaScript

Software Development & Automation: Git, Version Control Systems, Web Automation, Selenium, Process Automation, Data Structures & Algorithms, Code Optimization

Testing & Debugging: Selenium, PyTest, PyCharm Debugger, Quality Assurance, Version Control

Databases & Data Management: Database Systems, Relational Databases, MongoDB, MySQL

Machine Learning & AI: Pandas, NumPy, Matplotlib, Seaborn, scikit-learn, AI Tools

Engineering & Simulation Tools: MATLAB, Fritzing, EasyEDA, ModelSim

Office & Productivity: Microsoft Excel, Word, PowerPoint

HARDWARE

Embedded Systems: Electrical & Electronic Circuit Design, Digital Logic, Arduino, Raspberry Pi

Prototyping & Development: Hardware Design, Development Support, PCB Design, Signal Processing, Communication Systems, Microprocessor Design, Digital Design Principles, Verilog & VHDL, UART/SPI/I2C Protocols

GENERAL

Solution Finding, Emotional Intelligence, Leadership Skills, Sense of Ownership, Communication, Teaching, Innovation, Mentoring, Collaboration, Versatility, Problem-Solving, Strategic Delegation, Critical Thinking, Project Management, Presentation Skills, Teamwork

LANGUAGES

Arabic (native); English (full proficiency); French (conversational); German (basic); Russian (basic)

VOLUNTEERING & EXTRACURRICULAR ACTIVITIES

Student Branch Chairman, *IEEE-British University in Egypt – Cairo, Egypt* **06/2024 – Present**

- Spearheaded a **recruitment strategy**, increasing membership by **450% in 3 months** through targeted outreach.
- Led the execution & coordination of a flagship IEEE Young Professionals event with **150+ attendees**.
- Optimized team operations by delegating tasks to branch officers, **boosting productivity & event activity by 70%**.

VOLUNTEERING & EXTRACURRICULAR ACTIVITIES (CONTINUED)

Engineering Mentor, *Electronics, Embedded Systems & AI Camp – Cairo, Egypt* **06/2024 – 07/2024**

- Mentored a team of **5 high school students** in a competitive setting, leading 1 of 4 teams.
- Directed the design of an Elevator Power Safety System, projected to **reduce power outage fatalities by 60%**.
- Earned "**Best Design**" Award for the project "**ELVE Solution**", recognized for innovation.

Student Representative, *British University in Egypt – Cairo, Egypt* **11/2020 – 06/2021**

- Represented **30+ students** during Engineering Preparatory Year.
- Managed at least **50%** of the efforts in mediating students' complaints to the department's board amid COVID-19.

NOTABLE PROJECTS

PRIME NUMBER GENERATOR, **12/2024**

- Engineered a **high-performance prime number generator & verifier** using **Assembly (x86)**, optimizing execution speed and memory usage.
- Combined **Sieve of Eratosthenes & Trial Division algorithms** to balance efficiency and computational accuracy.
- Integrated **user-interactive input/output handling** through system calls for seamless usability in a command-line environment.

TITANIC SURVIVAL PREDICTION, **06/2024**

- Developed a K-Nearest Neighbor Machine Learning Model using Scikit with **70% accuracy** in predicting the survival of Titanic passengers.
- Utilized historical data to train & validate the model, showcasing **strong analytical & predictive capabilities**.

AMAZON.EG WEB SCRAPER, **10/2023 – 02/2024**

- Designed a Python-based bot with a GUI to automate data extraction **across 21 categories**.
- Constructed a MongoDB NoSQL database for **real-time price tracking**.
- Achieved an **exceptional 1h scraping time** for **150,000 products** by implementing efficient data structures & algorithms.

INDUSTRIAL ROBOTIC ARM w. EMBEDDED SYSTEMS, **01/2023 – 07/2023**

- Led end-to-end design and development of **3-DOF** robotic arm.
- Engineered **electrical & electronic schematics** using Fritzing & EasyEDA.
- Implemented **multi-platform coding** using MATLAB & C++ seamlessly.
- Conducted comprehensive technical documentation for **optimal functionality and replicability**.

SMART WEB BOT, **01/2023**

- Engineered an intelligent web bot using Python & Selenium to follow **normal language commands**.
- Enhanced **development & cost efficiency by over 50%** by reducing the number of functions required while increasing system flexibility.

CENTRAL PROCESSING UNIT (CPU) – Assembly x86, **09/2022 – 12/2022**

- Designed and implemented a 16-bit RISC CPU architecture using **Verilog & VHDL**, incorporating combinational & sequential logic design principles.
- Developed a **custom ALU (Arithmetic Logic Unit)** supporting addition, subtraction, bitwise operations, multiplication, and logical comparisons.
- Simulated & validated using **ModelSim**, ensuring accurate timing analysis and functional correctness with various input waves.
- Conducted **power consumption and area optimization** to enhance FPGA implementation efficiency.