Fayrouz Mohamed

Assistant Lecturer

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Dedicated Assistant Lecturer in the Department of Pedagogy at Alexandria University's Faculty of Education. Specializing in Early Childhood Education, I am currently pursuing my PhD with a research focus on the intersection of modern pedagogy and emerging technologies. As an active member of the Educational Innovations Unit, I am passionate about integrating Generative AI and innovation into the learning environment to evolve educational frameworks. With a background that spans both academic research and software development, I strive to bridge the gap between traditional teaching methods and future-ready technological solutions.

Work Experience

Assistant Lecturer   Oct 2025 - Present

Alexandria University | Alexandria, Egypt

- Teaching Responsibilities
- Prepare and deliver lectures, tutorials, and seminars for undergraduate students.
- Develop and update course materials, curricula, and teaching resources.
- Assess student performance through assignments, exams, and projects, providing constructive feedback.
- Supervise student research projects and practical work.

- Research Responsibilities
- Conduct academic research in your field of specialization.
- Publish research findings in peer-reviewed journals and present at conferences.
- Collaborate with colleagues on research initiatives and grant applications.

- Academic & Administrative Duties
- Participate in departmental meetings and contribute to curriculum development.
- Assist in student recruitment and departmental outreach activities.
- Provide academic advising and mentorship to students.

Teaching Assistant   Dec 2019 – Oct 2025

Alexandria University / Alexandria, Egypt

● Research and develop innovative learning methods to optimize learning processes.
● Develop syllabi, visual aids, and other teaching materials.
● Evaluate and grade examinations, assignments, or papers and record grades.
● Track attendance, projects, labs, reports, and other class and student metrics.
● Support the professor in implementing rigorous teaching and learning experiences.
● Assist the lead teacher in providing special accommodation for scholars.
● Adhere to university requirements for student assignments, testing, and grading of work.
● Manage and organize class records and reports.
● Support faculty clerical needs in the Pedagogy department by preparing class materials, collecting assignments, stocking supplies, and completing other support tasks.
● Schedule and maintain regular office hours to meet with students

Advanced AI Data Trainer   Jul 2025 - Present

Invisible Technologies | United States · Remote

● Challenge advanced language models on programming topics to harden model reasoning.
● Converse with the model on software engineering tasks and technical scenarios in Arabic.
● Verify logical accuracy and coding fluency, assess naturalness, and Correctness of Arabic language usage
● Capture reproducible error traces, and suggest improvements to prompt engineering and evaluation metrics.

Software Engineer for AI Training Data   Jan 2025 - Present

Alignerr | United States · Remote

● Review and evaluate AI-generated Python code for correctness and efficiency.
● Write high-quality Python solutions to coding problems across varying difficulty levels.
● Create clear, human-readable explanations for code logic and problem-solving strategies.
● Identify and flag edge cases or ambiguities in problem statements or AI responses.

Software Engineer for AI Training Data   Jun 2024 - Present

Scale AI | California, United States · Remote

- Evaluating the quality of AI-generated code, including human-readable summaries of your rationale.
- Solve coding problems, writing functional and efficient code.
- Writing robust test cases to confirm code works efficiently and effectively.

Co-Founder & Software Developer   May 2023 - Present

iRozar.io | Alexandria, Egypt

- Co-founded iRozar.io, delivering 10+ cost-effective and timely solutions for young entrepreneurs, establishing the company's vision and mission.
- Set and oversaw yearly and quarterly goals, achieving 95% of targeted objectives.
- Conducted market research, identifying 10+ major needs and pain points of young entrepreneurs.
- Analyzed competition and identified 5 unique selling points to differentiate iRozar.io.
- Identified target audiences and created 5 detailed user personas.
- Explored and implemented 7 AI tools and no-code solutions, empowering young entrepreneurs and maintaining budget constraints.
- Held 20+ client meetings to understand requirements and provide expert consultations.
- Designed and developed 10+ software solutions using FlutterFlow and Bubble.io tailored to client needs.
- Conducted weekly client meetings, gathering feedback and achieving a 90% client satisfaction rate.
- Hired and onboarded 5+ skilled FlutterFlow and Bubble.io developers with the necessary expertise.
- Led the technical team, successfully completing 10+ projects.
- Supervised the marketing team, increasing outreach and promotion effectiveness by 40%.

Founder & Android Developer   Jan 2021 - Present

Proofro Platform | Alexandria, Egypt

- Founded and developed Proofro, the first real-time free professional proofreading platform in 12 languages, attracting 1500+ users.
- Conducted market research, analyzed competition, and created 8 detailed user personas.
- Designed software architecture, developed UI/UX, and created a prototype tested by 500+ users.
- Coded the app in Java using Android Studio, Git, and Gradle, integrating 10+ third-party libraries and APIs.

- Tested, debugged, optimized, and published the app on Google Play Store, achieving 4.9/5 rating.
- Recruited and formed teams of 75+ volunteer and professional linguists.
- Executed a marketing strategy using social media, email marketing, and SEO, increasing user base by 50%.
- Managed customer inquiries and support, improving satisfaction and achieving a 90% positive feedback rate.

Flutter Developer   Jan 2023 - Apr 2023
Swivel UK | London, England, United Kingdom

- Delivered code meeting 90% of functional and technical specifications.
- Contributed to best practices, enhancing the software development lifecycle by 30%.
- Collaborated to define, design, and estimate time/resources for 10+ development initiatives.
- Designed front-end and back-end solutions, focusing on test-driven development for 2 app versions of the platform.
- Enhanced performance and added 10+ new features to the app systems.
- Designed user-friendly software interfaces, simplifying management for the app.
- Reviewed and modified unit/integration tests, improving software quality and reliability by 20%.
- Researched alternative solutions, identifying the best technical approaches for 5+ problem spaces.
- Implemented proven software patterns, maximizing extensibility, reuse, and testability in 3+ projects.
- Delivered quality, on-time technical solutions, aligning with business requirements in 95% of cases.
- Utilized various software for debugging and automation scripting tasks, increasing efficiency by 25%.
- Participated in 20+ code review meetings, providing input on bugs, inefficiencies, and potential solutions.
- Evaluated and implemented 5+ new technologies, maximizing development efficiency by 15%.

Volunteer

Arabic Translator   Jan 2020 - Dec 2021
Translators Without Borders

Core Skills

FlutterFlow, Bubble.io, Flutter, Dart, Java, Python, APIs Implementation, Git, MySQL, XML, HTML

Education

Alexandria University   Sep 2025 - Present
PhD Childhood Education

Univeristy of the People   Sep 2022 - Aug 2026
Bachelor's Degree Computer Science
GPA: 4.00/4.00

Alexandria University   Sep 2022 - Sep 2024
Master's Degree Childhood Education
GPA: A

Alexandria University   Sep 2020 - Jun 2021
Graduate Diploma Childhood Education
GPA: A

Alexandria University   Sep 2019 - Jun 2020
Graduate Diploma Childhood Education
GPA: A

Alexandria University   Sep 2014 - Jun 2018
Bachelor's Degree Childhood and Education
GPA: Excellent with Honors.

Awards

Named to the President's List – Every term so far   Jan 2024 - present
University of the People

The 1st Student in Branch   Jan 2018
Alexandria University

The Top 8th Student in Faculty of Education   Jan 2018
Alexandria University

Certificates

Master Badge in Basics of Java   Jan 2024
Naukri Campus

Certified for Basics Of Java - Guided Path Course   Jan 2023
Coding Ninjas

Silver Java Badge - 4 Stars   Jan 2022
HackerRank

Daily Streak - Bronze Badge   Jan 2022
CodeChef

Champion Badge - Level 5   Jan 2022
Coding Ninjas

Code Enthusiast - Golden Badge   Jan 2022
CodeChef

Problem Solver - Bronze Badge   Jan 2022
CodeChef

Get Connected - MCIT   Jan 2020
Cisco Networking Academy