

# Rania Ahmed Srour

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## EDUCATION

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### The University of Science and Technology at Zewail City

6-October, Egypt

Bachelor of Biomedical Sciences, Drug Design and Development (ABET-Accredited program)

August 2023

Cumulative GPA: **3.49/4.0**

Graduation project: Design and synthesis of novel mTOR kinase inhibitors as potential anticancer and autism spectrum disorder agents.

Relevant Coursework: [ Advanced Strategies in Organic Synthesis/ Ethics/ Pharmacology/Legal aspects

Medicinal chemistry, Structural Elucidation & Instrumental Analysis/ Analytical and physical chemistry]

## EXPERIENCE

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### Science & Biology Teacher

September 2023, present

Freelance

taught about 35 students from different preparatory and secondary stages and reached the highest grades.

effectively facilitated curriculum in interesting funny ways using illustrations such as pictures and videos.

## INTERNSHIP & EXPERIENCE

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### Trainee

July 2024

Rameda Pharmaceutical Company

- Exploring different validation techniques and tests for quality control of raw materials and finished products.
- understanding how to, in parallel- the process of quality assurance, maintain and assess the quality of the manufacturing process.
- Acquiring hands-on experience and comprehending the overall process of pharmaceutical product development in the R&D unit.
- Comprehension of the whole process of various pharmaceutical production lines starting from the preparation process to the packaging.

### Sales Specialist

September 2023, November 2023

Pioneers of chemicals company

- Pursue clients with products and Acquire new clients.
- Improving products of the company by Communicating customer feedback to the company's responsible authorities.
- Overcome and solve problems that hinder the sales process

### Junior research assistant

February 2022-May 2023

Drug Design and Development lab under the supervision of Dr.Mohamed Helal.

- Set up and optimized various organic reactions to synthesize 10 novel compounds for the STDF-funded research project 'Novel mTOR kinases inhibitors as potential anticancer and autism spectrum disorder agents' and the publication of the paper of this project is in progress.
- Amended and developed distinct suitable analytical methods and Dealt with different laboratory instruments.
- Had extensive experience in scientific literature screening and understanding of lab safety, IR spectroscopy, Mass spectroscopy, UV spectroscopy, and NMR spectroscopy.

### Parkville Pharmaceutical Company (Intern)

online intern,2022

- Developed soft skills, and acquainted with the foundations of drug marketing, Pharmacovigilance, and Quality Management Systems.

**Lab analyst.**

Aug,2022

Nile Scan &amp; Labs

- Recognized several medical analyses.
- Calibrated devices, dealt with autosampling devices, explored the errors in the experiment data, and corrected them.
- Cultured bacteria, and identified their types.

**Junior teaching assistant at organic II course.**

Spring, 2023

University of Science and Technology at Zewail City (UST)

- Mentored the younger students in the course.
- Solved with them different organic problems, explained, and answered their questions.

**Junior teaching assistant at the pharmacokinetic course.**

Spring, 2023

University of Science and Technology at Zewail City (UST)

- Succeeded in facilitating the scientific content for the students.
- Boosted the students' knowledge about the exam questions by focusing on the important parts during tutorials.

**SKILLS**

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**Technical Skills:** Microsoft Office, Excellent computer skills, Excellent report writing, Canva, Troubleshooting, Analytical tests, Analytical chemistry, organic synthesis, Report writing, Data analysis, Good laboratory practice ( GLP), and Good manufacturing practice (GMP).

**Soft Skills:** Teamwork, Self-control, Taking Accountability, Positive attitude, Communications skills, Leadership skills, and Self- learning skills, Self-Motivation, Organization skills, Adaptability, Strategic Thinking, and Problem-Solving.

**EXTRACURRICULAR ACTIVITIES**

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**The Heat of the HR Committee.**

2022, 2023

IEEE Junior Zewail City

Led the members, following up on their work, setting the rules of award and punishment of members of the club, preparing data sheets about members of the club, sending emails, following up on other heads' tasks, and recruitment.

**Content Writer** Summer, 2021

Concept Egypt online magazine

Made interviews with influencing people and published articles about them.

**HR member**

September,2020

IEEE Junior Zewail City

Responsible for the engineering committee members, following up on their tasks, deadlines, and attendance, and preparing meeting mites and monthly reports about every member.

**Decorator**

October,2020

APPX event at Zewail City of Science and Technology

Working with a large team to prepare decor from scratch and decorate the event place.

**First place in the crisis engineering competition (CEC)**

February, 2020

Proposed a project to limit the spread of the infection of COVID-19 by using treated titanium dioxide to produce antimicrobial plastic polymer.COVID-19. My team got first place in the competition.

### **Shell Nxplorers**

2020

I got this certificate for participating in the virtual Nxplorers' workshop held for the crisis engineering contest teams.

### **First place for chemistry project for batch 2019 at UST in Zewail City**

2019

There was a competition held by chemistry staff at the university for the best project and poster.  
My team got first place for the project synthesis of biodegradable plastic from sheep wool.

### **LANGUAGES**

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Arabic

English (Excellent oral & writing)