

ESRAA NASEER FATHI

AGRICULTURAL ENGINEER



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Helwan, Cairo, Egypt

SUMMARY

I am a recent graduate in Agricultural Engineering from Ain Shams University, specializing in irrigation, landscape design, and technical office work. I have gained practical experience through training with multiple companies and am eager to further enhance my skills and knowledge in these areas. I am actively seeking opportunities to contribute effectively and grow professionally in the field of agricultural engineering.

EDUCATION

Ain Shams University

(2020-2024)

Bachelor's Degree in Agricultural Engineering

Grade: Very Good (GPA: 2.77)

INTERNSHIPS AND COURSES EXPERIENCE

• Irrigation Network Design Course

Shira Group

Feb2024 -Mar 2024 (2 month)

- Design and installation of modern irrigation networks using specialized programs such as AutoCAD
- Conducted hydraulic calculations to ensure efficient water distribution within the network
- Gained knowledge of various types of sprinklers and pipes used in irrigation systems
- Familiarized with irrigation control systems, including manual and automated systems for efficient water management.

• Intern in Landscaping and Irrigation

Talaat Moustafa Group

Aug2023-Aug2023 (1 month)

- Gained practical knowledge about various types of plants and their suitability for different landscaping projects.
- Assisted in the planning and design of garden and green spaces
- Learned about and operated various agricultural machinery used in landscaping and irrigation projects.
- Supported the technical office by preparing and managing documents, including project plans, schedules, and technical reports.
- Participated in field visits to project sites to gain practical experience of what was studied.

- **Intern in Basics of Irrigation Design and Technical Office**

ORASCOM SERVICES

July2023 - July2023 (1 month)

1. Became familiar with all Rain Bird products and their applications in various projects.
2. Conducted calculations related to fluid dynamics and hydraulics to support project designs
3. Training in technical office tasks and office documentation
4. Gained practical experience in irrigation system design principles and practices Learned about various types of sprinklers used in irrigation systems
5. Familiarized with irrigation control systems, including manual and automated systems for efficient water management.

- **Intern in Irrigation and Landscape Design**

Badr University

july2022 - july2022 (1 month)

1. Design landscape plans for residential and commercial projects using software such as AutoCAD
2. Learned about different plant species, their care requirements, and their suitability for various environments.
3. Conducted site assessments to evaluate soil conditions, sunlight exposure, and existing vegetation.
4. Prepared planting schedules and maintenance plans for completed projects.

- **Intern in Irrigation Systems, Landscape Design, and Surveying**

AGHAKHAN SCIENTIFIC GROUP

Aug2022_Sep 2022(2 month)

1. Gained practical knowledge of various plant species used in landscaping and their specific growth requirements.
2. Learned the principles of landscape design and implementation, including site analysis, plant selection, and design aesthetics.
3. Acquired hands-on experience in the installation and maintenance of rooftop gardens and vertical gardens.
4. Conducted site surveys and topographic mapping, both in theory and practice, to support landscape design and implementation.
5. Studied and assisted in the implementation of modern irrigation systems, focusing on efficient water use and sustainability.

SKILLS

- AUTOCAD
- MICROSOFT OFFICE
- MODERN IRRIGATION SYSTEMS
- DESIGN AND IMPLEMENTATION
- COMMUNICATION
- CONTINUOUS LEARNING

Languages

- Arabic (Native proficiency)
- English (Upper Intermediate)
- french (Elementary)