

# Mahmoud Khaled Zeinhom Ali

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11 Al-Amira Fawzya St. - Benha - Egypt

## Personal Information

- Date of birth: 3<sup>rd</sup> January 1998 (25 years).
- Military Status: Exempted

## Education

- **B.Sc. in Mechanical Power Engineering** from Benha University, Egypt (August 2020) with grade: **Excellent with Honors**, Cumulative Percentage **91.09%**.
- Rank: **Second** in class.
- Graduation Project Grade: **Excellent**.

## Work Experience

- Teaching and Research Assistant (TA/RA) at **Faculty of Engineering, Benha University (October 2020 – Present)**
  - Design of firefighting systems for Benha University buildings in Obour City.
  - Construction of a diffusion combustion test-reg.
  - Performing experiments on the premixed combustion system.
  - Preparation and testing of biodiesel blends extracted from microalgae.

## Internships

- Trainee at **Istituto Salesiano Don Bosco in Cairo** (160 hours, from 1<sup>st</sup> June 2017 until 31<sup>st</sup> August 2017).
  - Gasoline engines maintenance.
  - Diesel engines maintenance.
  - Diesel injection Pumps construction and maintenance.
- Trainee at **Shobra El-Kheima Power Plant** (6 weeks, from 9<sup>th</sup> July 2018 until 16<sup>th</sup> August 2018).
  - Steam turbines operation.
  - Gas turbines operation.
  - Plant's control systems.
- Trainee at **EgyptAir** (2 weeks, from 27<sup>th</sup> January 2019 until 7<sup>th</sup> February 2019).
  - Turbo-Fan engines (Jet engines) operation and maintenance.
  - Plane's Air-conditioning systems
  - Plane's body maintenance.
- Intern Engineer at **NAGA Architects, Engineers, Designers, Planners** consultant office in **Dubai, UAE** (4 Weeks, from 14<sup>th</sup> July 2019 until 8<sup>th</sup> August 2019).
  - Design office training using Autodesk Revit.
  - AC systems (DX and chilled water) and ventilation systems design.
  - Fire Protection systems layout (Sprinklers, fire hose cabinets, fire hydrants).
  - Design of water supply and drainage systems.
  - Site supervision of installed MEP works.

## Languages

- **Arabic:** Mother Tongue.
- **English:** Very Good.

## Computer Skills

- Microsoft Office (Visio, Word, Excel and PowerPoint), MATLAB, Autodesk AutoCAD, Autodesk Revit (MEP), SOLIDWORKS, ANSYS, Hourly Analysis Program (HAP) and Fire Elite.