

## MUHAMMAD HASSAN

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### OBJECTIVE

A challenging opportunity in Software Development field, Where my analytical, technical and communication skills will be employed and further enhanced. It will give me the chance where my skills, in Software Development, are utilized to the fullest extent.

### EDUCATION

**Faculty of Engineering Ain-Shams University, 2013-2017.**

**Major:** Computer & Electrical Engineering third year.

**Overall score:** 83% (very good with honor).

**Secondary school,** El Minya Military school, Minya, Egypt, 2013, Math section.

**Score:** 100%

### CAREER RELATED EXPERIENCE

#### Technical Skills:

- Coding in C, C++, OOP, Embedded C, Micro-C and Matlab.
- Web developing skills using Html, CSS and Ruby (working on a project right now).
- Developing Windows applications using C++ on Microsoft visual studio.
- A good knowledge of Control systems using Simulink.
- HDL using Verilog.
- Certified Course in Embedded-System using ARM cortex (TM4C123G).

**Embedded Platform:** ARM cortex ( TM4C123G), PIC, Arduino.

**Embedded Tools:** Keil µvision software, Mikro-C tools, Proteus.

#### Projects:

- **Line-Follower Robot:** Write C Program using Mikro-C tool for PIC to control robot and navigate a track, 2013.

- **Traffic light system:** Write Embedded-C Programs using Keil For TM4C123G micro-controller to control traffic lights for two cross roads to help cars and pedestrians.
- **Function drawer:** Using visual studio IDE.
- **Vending machine prototype:** Using FSM model.
- Interfacing Arduino with Android mobile to control mobile by accessing mobile gyroscope.

## EXTRACURRICULAR ACTIVITIES

**Green Initiative ASU,**  
Member, student club team, since 2015,  
Reduce the gap between academic studies and industry,  
the team organises sessions about Green Energy (solar  
cells) which aim to share experiences with engineers  
who have worked for several years.

## SKILLS

**Computer Skills:** Knowledge of MS Word and  
PowerPoint.  
**Language Skills:** Arabic (native)  
English (Excellent listening and  
Reading Skills).  
German (good and working on  
meanwhile).

## PERSONAL DATA

**Date of Birth: March 21 1994**  
**Place of Birth: Minya, Egypt**  
**Nationality: Egyptian**