

SULTAN ALROWAILY

RIYADH, SAUDI ARABIA

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~ Personal Profile ~

I am highly motivated young man who has lot of ambitions for his future and also interests to contribute his effort towards the society. I am hard working, and objective oriented person. I always do my best to do perfection. I am a very confident person who is reliable, professional and very well presented.

~ Senior project ~

I designed an accident alert system to detect an accident without human interface. After the occurrence of an accident, the system would detect the accident, access the situation the vehicle is in and notify and update the emergency teams for help. This device works in way that when the vehicle is involved in an accident, the device gathers information from multiple sensors including the accelerometer, fire detectors, passenger counters, GPS and gyroscope to access the current condition of the vehicle. Once the assessment is complete, the device uses GSM technology to call for help. As an example, a vehicle with this device installed faces a collision with another vehicle, the device will determine the location of the vehicle, the total number of passengers, perform fire assessment along with the orientation of the vehicle (upright vs flipped/turned over vs sideways) to provide situation awareness in advance to the emergency crew based on which the emergency crew can prepare themselves in advance prior to their arrival at the accident location.

~ Educational Background ~

Bachelor of systems engineering

From university of Arkansas at little rock

Start from 2010-2015

Some of the related courses

- **SIGNALS AND SYSTEMS**
- **CIRCUITS AND SYSTEMS**
- **ENGINEERING ECONOMY**
- **DATABASE CONCEPTS**
- **DECISION AND RISK ANALYSIS**
- **DISCRETE EVENT SYSTEM MODEL AND SIMULATION**

~ Computer Skills ~

- Proficient in Word, Excel, Access PowerPoint, Internet and email
- C & C⁺⁺
- Maple
- Matlab

~ Language Skills ~

Good communication skills of speaking, reading and writing English and Arabic.

~ Summary ~

I am an adaptable & innovative individual and readily acquire research skills. I have a positive attitude towards work. I am able to follow instructions and work as an individual under minimum supervision and also as a member of a team. I enjoy boxing and weight lifting in a gym, where I am able to exert technique, discipline and fitness which I believe are important in contributing to a well rounded lifestyle.

~ References ~

- Saqib Hussain

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