

# Subhan Naeem

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## PERSONAL STATEMENT

With a diverse experience of hardware and software engineering, management and self-learning, I constantly seek learning opportunities for adding value to the organisation and myself. Being a strong believer in Internet Technology, I aspire to exploit it to connect physical devices and establish communication between them over different networks. Being formally educated in mechatronics and self-taught in web development, my journey has been fruitful and promising.

## EXPERIENCE AND PROJECTS

### Home Security and Automation *Group Project | Aug. 2016-Present*

Handling back-end Node.js programming, communication between the broker and clients via MQTT and Micro-controller (Arduino, NodeMCU, Esp8266) programming.

More information at: [http://subhannaeem.com/home\\_automation](http://subhannaeem.com/home_automation)

### Lab assistant *Mechanical Engineering Department | METU | Jul. 2016 - Sept. 2016*

Handled SLAM data between Windows and Ubuntu on the ROS(Robot Operating System) framework for a rescue robot being developed by post-graduate students.

### Smart Barrier System *Final Year Project | METU | Feb. 2016 - Jun. 2016*

Programmed micro-controllers (Arduino & ATMEGA chips) and handled electronics on the barrier system.

### Web Development *Personal Projects | Jun. 2016-Present*

- Web Scraper
- Twitter Interface using the Twitter API
- Treehouse User Profile Search Engine
- IMDb Movie Search Engine
- Tic-Tac-Toe game

More information at: <http://subhannaeem.com/work>

### Robotics *Personal/Course Projects | Sept. 2012-Present*

- Obstacle Avoiding Robot
- Bluetooth Android Robot
- Target-seeking catapult mechanism

## KEY SKILLS

- Javascript, jQuery, AJAX, HTML, MQTT, Handlebars, CSS, C
- Node.js, Arduino, Raspberry Pi, Web Sockets, Angular.js, MongoDB
- Mocha, Chai, Github, Git, Webpack, Gulp,
- English(Native), Turkish(Intermediate)

## EDUCATION

- BS **Mechanical Engineering** (2011-2016)  
Middle East Technical University, Ankara
- Minor **Mechatronics** (2012-2016)  
Middle East Technical University, Ankara
- A-Levels – **Maths** (A), **Physics** (A), **Chemistry** (B) (2009-2011)  
Roots International School, Islamabad

## PERSONAL INTERESTS

Motorcycles | Classic Guitar | Bodybuilding and Fitness

## REFERENCES

A. Buğra Koku - [kbugra@metu.edu.tr](mailto:kbugra@metu.edu.tr)

More References are available on request.