

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 logic.

More information at: subhannaem.com/home_automation

Lab assistant

Mechanical Engineering Department | METU | Jul, 2016 - Sept, 2016

Handled communication of 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 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: subhannaem.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

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

REFERENCES

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More References are available on request.