

# Noha Moustafa

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## Summary

Final-year MSc candidate TU Delft. Studying wireless telecommunications and sensing systems. Experienced in wireless networks, cellular networks, performance analysis, signal processing, channel coding, and electronics.

## Education

2021 - 2022	<b>Delft University of Technology</b> MSc Candidate, Final Year – Telecommunications and Sensing Systems • Will work on the MSc thesis project under the supervision of Dr. Remco Litjens
2018 - 2020	<b>Delft University of Technology</b> MSc Candidate – Telecommunications and Sensing Systems • Statistical Digital Signal Processing • Wireless Communications • Estimation and Detection • Information Theory • Networks • Wireless Networking • Applied Convex optimization • Cellular Networks
2016 - 2018	<b>Mansoura University</b> MSc Candidate – Wireless Telecommunications – 3.6/4.0 (Excellent) • Cognitive Radio and Spectrum Sharing • Non-Orthogonal Multiple Access (NOMA) • Smart Cities and IoT
2011 - 2016	<b>Mansoura University</b> BSc Electronics and Communications Engineering – 89/100 (Excellent, Top Second) Thesis: Implementation of DC micro smart grid using renewable energy • Digital Signal Processing • Electronic Circuits (1-3) • Logic Circuits (1-2) • Communications Theory (1-2) • Circuit Theory • Mobile Communication Systems • Communication Networks • Electromagnetics • Mathematics (1-5) • Integrated Circuits • Linear Systems and Networks • Optical Communication Systems

## Experience

2016 - 2018	<b>Faculty of Engineering, Mansoura University</b> – Research and Teaching Assistant • Cooperated in teaching and preparing course materials in Electronics and Communications • Evaluated students' performance through assignments and projects • Co-supervised graduation projects of undergraduate students
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## Internships

23.8 - 3.9.2015	<b>Benha Electronics</b> – Summer Intern • Designed circuit boards using CAD and made PCB layout • Performed troubleshooting for electronic boards • Covered few topics in radar production
27.7 - 12.8.2015	<b>Zewail City for Science and Technology</b> – Summer Intern • Simulated problems with COMSOL • Attended an introductory course in Quantum Mechanics
13.7 - 04.8.2014	<b>Telecom Egypt</b> – Summer Intern • Covered topics in Transmission Technology, Principles of Digital Microwave Radio Technology, Telephone Network Planning • Received hands-on training in different communication infrastructures as: coaxial cables, copper wires, twisted pair, optical fiber

## Student Activities

8.2015 - 2.2016	<b>IEEE, Mansoura Student Branch – Secretary</b> <ul style="list-style-type: none"> <li>• Documentation for events, meetings and competitions</li> <li>• Participating in volunteers' skills development</li> </ul>
7 - 10.2015	<b>IEEE, Mansoura Student Branch – Marketing Member</b> <ul style="list-style-type: none"> <li>• Got disciplines of creating marketing strategies and content</li> <li>• Led a Facebook campaign for promoting one of our activities</li> </ul>
4.2014 - 7.2015	<b>IEEE, Mansoura Student Branch – Public Relations Member</b> <ul style="list-style-type: none"> <li>• Covering activities through media</li> <li>• Presenting in events</li> <li>• Logistics</li> </ul>
13 - 18.9.2014	<b>InnovEgypt Camp and Intel Ideation – Workshop</b> <ul style="list-style-type: none"> <li>• Throughout intensive six-day workshop, I have got concepts of constructing business model to solve one of nationwide issues</li> </ul>

## Skills

Technical	<ul style="list-style-type: none"> <li>• Simulation: MATLAB, Protous, LabVIEW, Multisim, CAD and COMSOL</li> <li>• Network Analyzer: Wireshark</li> <li>• Microcontroller: PIC, Arduino</li> <li>• Electronics: PCB</li> </ul>
Personal	Skills gained through postgraduate studies, summer internships, and student activities <ul style="list-style-type: none"> <li>• Self-learning</li> <li>• Analytical Skills</li> <li>• Presentation</li> <li>• Teamwork</li> <li>• Press-release Writing</li> <li>• Communication</li> <li>• Problem solving</li> </ul>

## Languages

English	Good - IETLS: 8.0/6.5/6.0/6.5/7.0 (L/R/W/S/Overall)
Arabic	Native

Last update: June 7, 2021