

# Maha Alwuthaynani

**Address:** College of Computer Science  
and Information Systems,  
Najran University, Najran,  
Saudi Arabia, Postcode: 1988  
**Email:** [mmalwetheynani@nu.edu.sa](mailto:mmalwetheynani@nu.edu.sa)

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## PERSONAL STATEMENT:

Maha Alwuthaynani's research interests involve Network Security, Cryptography, Machine Learning, Natural Language Processing, Cloud Computing.

## EDUCATION AND QUALIFICATION:

Master in Computer Science, The University of Melbourne, Melbourne, Australia (2015)  
Bachelor in Computer Science, Umm Al-Qura University, Makkah, Saudi Arabia (2007)

## WORK EXPERIENCES:

2007 – 2008 Computer Trainer, Jeel Al-tagniah International Center, Makkah  
2008 – 2011 Teaching Assistant, Community College, NU  
2011 – Present Teaching Assistant, College of Computer Science & Information Systems, NU

## TAUGHT COURSES:

101CIS-2 Introduction to Computer	[ <u>6 Semesters</u> ]
201CIS-2 Introduction to Information Technology	[ <u>6 Semesters</u> ]
328CSS-3 Human Computer Interaction	[ <u>1 Semester</u> ]
101CIS-3 Computer 2	[ <u>3 Semesters</u> ]
429CSS-3 Computer Security	[ <u>2 Semesters</u> ]
491CSS-4 Project 1	[ <u>2 Semesters</u> ]
492CSS-4 Project 2	[ <u>1 Semesters</u> ]

## PROFESSIONAL SKILLS:

- **Programming Languages:** C, Java, R, Python, Prolog, Haskell, VB
- **Web Development:** HTML, PHP, XML
- **Mobile App Development:** Android App
- **Databases:** MySQL, PostgreSQL, SQL
- **Operating systems:** Windows, macOS, Kali Linux
- **Software:** Wireshark, RStudio, Anachonda, Android Studio, SWI-Prolog, Eclips, LATEX, Nmap, Visual studio

## CONFERENCES:

- “International Exhibition and Conference on Higher Education”, Riyadh, (2011)
- “The Fourth Conference on Teacher Education”, Makkah, (2011)
- “Modernizing IT in a Cloud-First World with Google Cloud”, Google Digital Conference, (2018)
- “Better Code, Faster”, Google Digital Conference, (2019)

## HONORS/AWARDS:

Certificate of Appreciation for participating in First self-assessment of University, Vice Rectorship For Development and Quality, NU, (2011)

## **PUBLICATIONS:**

- Alwuthaynani, M., “Enhancing the security and privacy of cloud-based health records systems”, Minerva Access, The University of Melbourne, (2015)
- Alwuthaynani, M., “Enhancing the security and privacy of cloud-based health records systems”, Saudi Digital Library, (2015)

## **PROFESSIONAL MEMBERSHIPS:**

2017 – Present Member in Women Techmakers - Google

2018 – Present Member in Saudi OER Network - SHMS

2018 – Present Member in One Million Arab Coders Initiative

2018 – Present Member in Saudi Codes Initiative

2009 – 2011 Member in student punitive committee, Community College, NU

2010 Academic Counselor, Computer Department, Community College, NU

2011 Member in development and quality committee, Community College, NU

2011 Member in student advising, Administrative Science Department, Community College, NU

2017 – 2018 Member in Workshops and seminars committee, College of CS & IS, NU

2017 – 2018 Member in Media committee

2017 – Present Member in student advising

2018 – Present Coordinator of Library and periodicals committee

2018 – Present Member in Lab management committee

2018 – Present Member in development and quality committee

## **BRIEFLY LIST OF THE DEVELOPMENT ACTIVITIES:**

- “The roles of teachers and their mission in formation students’ personality” workshop, UQU, Makkah, (2011)
- “The strategic planning” workshop, NU, Najran, (2011)
- “Description of Programs and Courses” workshop, NU, (2011)
- “The unified system for measuring learning outcomes” workshop, NU, (2017)
- “Management electronic references using EndNote” workshop, NU, (2017)
- “Electronic portfolio” workshop, NU, (2017)
- “Preparation of self-assessment and self-study for program accreditation” workshop, NU, (2017)
- “Creative debate: challenges in lectures” workshop, NU, (2017)
- “Plans for continuous improvement of educational effectiveness” workshop, NU, (2017)
- “Assessment of Course Learning Outcome” workshop, NU, (2017)
- “SHMS - Saudi OER Network”, Training program, NU, (2018)
- “Design and construction of electronic educational objects, strategies and tools”, Training program, Committee of E-learning and distance education deans in Saudi Universities, (2018)
- “License of knowledge without limits The steps of the future teacher in educational resources”, Training program- 20 hours, National Center for e-Learning, (2018)
- “How to Promote Your Research for Maximum Impact”, E-training course, Saudi Digital Library, (2018)
- “How to Guide Get Published”, E-training course, Saudi Digital Library, (2018)
- “Academic writing and scientific publishing in IEEE”, E-training course, Saudi Digital Library, (2018)
- “Introduction to Cybersecurity”, Course, Cisco Networking Academy, (2019)
- “Cybersecurity Essentials”, Course, Cisco Networking Academy, (2019)