NEJI HASNI

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Chief Executive Officer (CEO) founder of Nifty and Ad-hoc Service Advisory (NASA)

Work experience

2016 - Present

Chief Executive Officer (CEO)

Nifty and Ad-hoc Service Advisory (NASA)

Nifty and Ad-hoc Service Advisory (NASA), is an international research and development, analysis and advisory firm, based in Tunisia, specialized in information technology, operations research, telecommunications, holistic security, management of (Geographical Information Systems), Artificial Intelligence (design of ontologies), maritime consulting, human resources management, human development and mentoring, audit of Information Technology, coaching researchers and editing books and technical manuscripts, strategic studies for Small and Medium Enterprises (SMEs), as well as Software Development. Besides, NASA provides professional training in the field of its expertise and activities around the world.

2016 - 2017

Head of Department of Electrical Engineering Department

The Private University for Scientific and Technological Studies

Head of Information Technology and Electrical Engineering. Senior Lecturer in the Department with research expertise in Computer Science, Information Technology and Communications, Telecommunications, Geographical Information Systems and Holistic Security.

2013 - 2016

Chairman of the Scientific and Technological Laboratories Complex

Tunisian Naval Academy

Administrating and coordinating Laboratories' activities as well as educational programs.Supervising of subordinates in resolving technical problems. Developing and implementing laboratories' policies and procedures. Ensuring continuous technology watch. Maintaining quality checks on safety of laboratories. Assisting in formulating the short and long-range goals for the operation of the laboratories. Preparing technical reports. Coordinating the functions of the laboratories with other institutional departments.

2012 - 2013

Chairman of Instructions and Training Department

Tunisian National Mapping and Remote Sensing Center

Directing and coordinating training and instruction's programs to enhance the knowledge and skills of the organization's employees. Oversaw a staff of training and development specialists. Organizing seminars and workshops in the field of the center's expertise. Concluding cooperation agreements in the field of training.

2005 - 2012

Chief Information Officer (CIO) + Head of the Security Department + Cooperation Officer

Tunisian National Mapping and Remote Sensing Center

Provided vision and leadership for developing and implementing information technology initiatives that align with the mission of the remote sensing center; Directed the planning and implementation of enterprise IT systems in support of the center's operations in order to improve service quality, and mission development; responsible for all aspects of the enterprise information technology and systems as well as their security. Planed, directed and coordinated activities relating to the protection, safeguarding and security of company assets, employees, invitees and others; implemented and monitored security policies, procedures and programs; established contacts, contributed and provided support and coordination to the cooperation with other national and international organizations. organized and participated in promoting activities via workshops and seminars.

| 2003 - 2005 | **Manager of Geographical and Remote Sensing Data + Head of the Cooperation Department** |

2003 - 2005   Manager of Geographical and Remote Sensing Data + Head of the Cooperation
               Department

Tunisian National Mapping and Remote Sensing Center

Checking and Cleaning Geographical Information System's data received or generated by the enterprise's researchers, validating linkages and performing other checks, preparing documentation about the datasets, handling metadata, securely providing access to datasets for internal and external users, and preparing datasets for analysis and archiving.

Establishing contacts, contributing and providing support and coordination to the cooperation with other national and international organizations. organizing workshops and seminars.

Education

2010 - 2013   Doctor of Philosophy (Ph.D) in Telecommunication

Tunisian National School of Engineering/Sup'Com (Higher School of Communication of Tunis)

Research domains: Artificial Intelligence, Computer Science, Software Engineering, Cellular Communication, Interoperability, Networking and Telecommunication, Information and Signal Processing, optimization, Ontology, Geographical Information Systems, Modeling, Cryptography, Analysis Methods, Information and Security Systems, Telecommunication Standardization, Parallel and Cloud Computing.

2000 - 2003   Master of Science in Information Technology Management

Naval Postgraduate School (California, USA)

Acquired knowledge of information systems technology to include computer and telecommunications systems, software engineering, networked and distributed applications, database management systems, and decision support systems. Gained proficiency in information systems, economics, and management necessary for the critical management decisions needed in the development and utilization of complex and evolving computer-based systems.

2000 - 2003   Master of Science in Computer Science –Software Engineering

Naval Postgraduate School (California, USA)

Acquired technical knowledge and skills necessary to specify, evaluate, and manage computer system design; to provide technical guidance in applications ranging from data processing to tactical embedded systems; to educate the analysis and design methodologies appropriate for hardware, software, and firmware; and provide practical experience in applying modern computer equipment and research techniques to solve problems.

Gained concrete experience in computing practices—the skills and ways of thinking that mark a computing professional. These include programming, engineering of systems, modeling, and innovating.

The two dimensions—computing principles and practices—define the space in which the core technologies of computing exist and serve application domains: algorithms, architecture, artificial intelligence, database, networking, operating systems, security, and more.

1994 - 1995   Specialized Master in Transmission

Tunisian Naval Academy

Acquired advanced knowledge of data communication protocols and networks, including, but not limited to, error control and flow control, distributed synchronization, error detection and correction, forwarding and techniques to implement it, performance analysis of networks, and management of large networks.

Gained competence sufficient to design, specify, and develop data transfer protocols for specific purposes; design, specify, plan, and define networks of any size; and analyze, evaluate, and select network technologies.

1985 - 1990   Naval Command Officers' Engineering Degree

Tunisian Naval Academy/ Naval Amphibious School (California, USA)

Tunisian Naval Academy jointly with the US Naval Amphibious School prepared us to become professional officers of competence, character, and compassion in the Navy and the military as a whole.

Certifications and Diplomas

2014 - 2015   Certifications

ALISON (Advance Learning Interactive Systems Online, New Jersey, USA).

Entrepreneurship; Cryptography and Its Role in Digital Communications; Leadership Skills in Business; Project Management; Business Intelligence and Knowledge Management Systems; Teaching English as a Second Language; Practicing English Language Grammar Skills; Learning Process for Teachers and Trainers; Cloud Computing; Safety and Health in the Science Laboratory for Teachers; Achieving Personal Success; Digital Communication Networks; Smarter Learning - Improve Your Study Skills and Practices; Network Security; SAT Math Exam; Psychology: Research Methods; Biology and Behaviour in Psychology; Psychology: Memory and Cognition; Human Resources Management; Corporate IT Strategy and Business Frameworks; Microsoft SharePoint 2010; Protect Yourself from Identity Theft; E-Commerce - Internet Marketing Strategies for Businesses; Business Intelligence and Knowledge Management Systems.

2014 - 2015   Diplomas

ALISON (Advance Learning Interactive Systems Online, New Jersey, USA).

Risk Management; Mental Health Studies; Quality Management; Information Technology Management; Teaching Skills for Educators; Sustainable Development; Operations Management; Business Management & Entrepreneurship; Human Resources; Educational Psychology; Psychology; Business Process Management.

2011 - 2015   IT Certifications

Cambridge Intercontinental University, India.

Virtual Private Network (VPN) Associate; Wide Area Network (WAN) Associate; Linux Associate; Database Associate (2011); Security Associate; .Net Associate; Hardware Associate; Internet Associate; Java Associate; Oracle Associate; SQL Associate; E-Commerce Associate.

2013 - 2014   GIS Certifications

ESRI - The Economic and Social Research Institute-. (California, USA)

Field GIS: Collecting and Editing Data Using ArcPad 10; Introduction to GIS Data ReViewer; ArcGIS Data Interoperability Basics; GIS for Humanitarian Mine Action; Introduction to Map Production System-Atlas; Mobile GIS: Creating Web Maps for Lightweight Mobile App; Basics of Geographic Coordinate Systems (for ArcGIS 10); Editing in ArcGIS Desktop 10; Using ArcMap in ArcGIS Desktop 10; Using Python in ArcGIS Desktop 10; Getting Started with GIS (for ArcGIS 10); Turning Data into Information Using ArcGIS 10: Mobile GIS: Using the ArcGIS for iOS Application.

2014 - 2015   Peace Operations' Certifications

Peace Operations Training Institute (POTI), Virginia, USA.

Advanced Topics in United Nations Logistics: The Provision of Troops and Contingent-Owned Equipment (COE) and the Method for Reimbursement; Operational Logistical Support of UN Peacekeeping Missions; Commanding United Nations Peacekeeping Operations; Core Pre-deployment Training Materials; Disarmament, Demobilization, and Reintegration (DDR): Principles of Intervention and Management in Peacekeeping Operations; Ethics in Peacekeeping; Gender Perspectives in United Nations Peacekeeping Operations; Human Rights and Peacekeeping; Implementation of Security Council Resolution 1325 (2000) in Africa; Implementation of the UN Security Council Resolutions on the Women, Peace, and Security Agenda in Africa; International Humanitarian Law and the Law of Armed Conflict; Mine Action: Humanitarian Impact, Technical Aspects, and Global Initiatives; Peacekeeping and International Conflict Resolution; Preventing Violence against Women and Gender Inequality in Peacekeeping; Principles and Guidelines for UN Peacekeeping Operations; Protection of Civilians; Security for United Nations Peacekeepers; The Conduct of Humanitarian Relief Operations: Principles of Intervention and Management; United Nations Civil-Military Coordination (UN-CIMIC); United Nations Military Observers: Methods and Techniques for Serving on a UN Observer Mission; United Nations Police: Restoring Civil Order Following Hostilities.

2012 - 2012   *The United States Institute of Peace, Washington, DC. USA.*

Conflict Analysis; Interfaith Conflict Resolution; Negotiation and Conflict Management.

Publications

2010 - 2013	**Secure holistic framework for cellular communication.**
	Tunisian National School of Engineering/Sup'com
	PhD thesis in telecommunication, defended in June 8th, 2013 at the Tunisian National School of Engineering.
2013 - 2013	**Towards a Symbiotic Relationship between research and standardization**
	International Conference on Information Processing and Wireless Systems (IP-WiS), March 21-24, 2013 Djerba. Tunisia.
2013 - 2013	**Highlighting commonalities and variabilities between cellular communication technologies via ontology mapping**
	International Journal of Emerging Trends & Technology in Computer Science (IJETTCS), Volume 02, Issue 01, January-February 2013, published in March 20, 2013.
2012 - 2012	**Ontology Based Interoperability Approach for Heterogeneous Mobile Cellular Networks**
	International Journal of Computer Applications (0975 – 8887), September 25, 2012.
2012 - 2012	**Roadmap for Establishing Interoperability of Heterogeneous Cellular Network Technologies -3-**
	International Journal of Computer Applications, Vol. 54 No.5, pp 17-27, September 2012.
2012 - 2012	**Roadmap for Establishing Interoperability of Heterogeneous Cellular Network Technologies -2-**
	Journal of Signal and Information Processing, VOL.3 No.3, August 2012.
2012 - 2012	**Ontology for mobile phone operating systems**
	International Journal of Wireless & Mobile Networks (IJWMN) Vol. 4, No. 3, pp 169-181, June 2012.
2012 - 2012	**Roadmap for Establishing Interoperability of Heterogeneous Cellular Network Technologies-1-**
	International Journal of Computer Science and Network Security, VOL.12 No.4, pp. 92 – 103, April 2012.
2011 - 2011	**Ontology for Cellular Communication**
	Proceedings of Tunisian Japanese Symposium on "Science, Society and Technology," November 11-13, 2011, Tunisia.
2009 - 2009	**Defense and Security: Should we continue to separate them?**
	Tunisian Department of Defense, Classified/Confidential Research Book, 2009.
2008 - 2008	**The Military Ethics.**
	Tunisian Department of Defense, Classified/Confidential Research Book, 2008.
2003 - 2003	**Towards an Interoperability Ontology for Software Development Tools**
	NASA Scientific and Technical Aerospace Reports (STAR), 271 pages, abstract pages 101-102, Volume 41, Issue 21, October 17, 2003.
2002 - 2002	**Role of electronic-commerce in the growth of Tunisian economy**
	Naval Postgraduate School (U.S.A). September 2002.

Participation in the Technical and Scientific Community Life

2016 - Present	**Member of the editorial commitee (Articles' Reviewer)**
	NASA Postdoctoral Program (NPP)
2016 - Present	**Member of the peer review process**

| 2013 - Present | Member of the peer review process |
| | *The following Scientific and Technical International Journals and Magazines:* |

1. "IEEE Communications" Magazine.
2. Asian Journal "Mathematics and Computer Research"
3. American Journal "Computer Science & Communications"
4. Malaysian "Computer Science Journal"
5. British Journal "Transactions on Networks and Communications
6. American Journal " Parallel and Cloud Computing"
7. British Journal "Journal of Global Research in Education and Social Science."
8. British Journal of Mathematics & Computer Science.
9. Journal of Global Research in Education and Social Science.

| 2013 - Present | A Member of the Committee of Scientific Chairs for The International Conference on Information Processing and Wireless Systems (IP-WiS) |
| | *Innov'Com Laboratory, Higher School of Communications (Sup'Com), Tunisia.* |

| 2010 - Present | Member of the Research Laboratory "Innovation of Communicant and Cooperative Mobiles", Innov'Com |
| | *Higher School of Communications (Sup'Com), Tunisia.* |

Achievements

Participation in the elaboration of the master's program in   "Geomatics" curriculum. University of Mannouba. Tunisia. (2009 to 2013)

The design of Pilot Ontology" for Secure Cellular Communication Technologies"(2013).

The design of "Pilot Ontology" for Software Development Tools.(2003)

The development of "Math Model" on impact of e-commerce on overall economies.(2002)

Nomination by the Academic Council of the US Naval Postgraduate School for a Dual Degree Program after being ranked among the top 25% of the Total Quality Point Ratings (TQPRs) of the students in the last four graduating sections of my curriculum. (2002)

Awards, Recognition and Merits

1. Letter of recognition for publishing the most popular paper in the Journal of Signal and Information Processing, since 2010, Scientific Research Publishing Inc., Irvine California, USA. http://www.scirp.org/journal/HottestPaper.aspx?JournalID=339

2. Letters of recognition for original outstanding Doctor of Philosophy "PhD" research work issued by the theses advisor, by the theses readers and by the board of jury for PhD defense (06/2013).

3. Military decoration (06/2007).

4. Letter from the Tunisian Minister of Defense for Outstanding results achieved in the USA, 2003.

5. Letter of appreciation for outstanding research in Artificial Intelligence (03/2003), issued by Professor Joseph. F. Puett III (President of Huachuca Chapter, International Test and Evaluation Association (ITEA). USA.

6. Evaluation of Master theses among top 5 out of 40 thesis supervised by Pr. Thomas Housel (Naval Postgraduate School-USA) 09/2002.

8. Letter of Appreciation for Outstanding job issued by Commanding Officer, USS Kalamazoo ship, 06/1990. USA.

Skills

Project Management	
Leadership	
Management	

Programming (Ada, Java, C++, Visual
Basic,...etc)

Coaching

Stress Management

Risk Management

Artificial Intelligence

Security Awareness

Human Development; ...etc.