

## RESUME/ CURRICULUM VITAE

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**Nationality** Tunisian

## CAREER PROFILE/SUMMARY

During my academic career, firstly, i have served ten years as assistant in Sfax University in Tunisia. Then, i have served more than 9 years as an Assistant Professor in Sfax University in Tunisia and Al Baha University in Saudi Arabian. During that period my main responsibilities include; teaching, conducting research, supervising undergraduate projects, supervising master's degrees, co-supervising graduate theses, various community services, organizing conferences, seminars and workshops, member in committee program of many conferences, department coordinator etc.

## EDUCATION/ACADEMIC QUALIFICATIONS

Qualification	Duration	Major Area	University/Country
PhD	2004 to 2010	Information System	Sfax University, Tunisia
Diploma in Advanced Studies	1997 to 2000	Computer Science	Al-manar University, Tunisia
Bachelor (B.Sc.)	1993 to 1997	Computer Science applied to management	Sfax University, Tunisia

## EMPLOYMENT HISTORY

- Engagements as an Assistant Professor at Al-Baha University, Saudi Arabia  
(From January 2015 to date)

Country	Government University	Role	Responsibilities
Saudi Arabia	Faculty of science-Sfax	Assistant Professor	<ul style="list-style-type: none"> <li>✓ Conducting lectures at graduate and undergraduate classes in different areas of computer science and computer Information system.</li> <li>✓ Delivering seminars on different Information Technology related areas.</li> <li>✓ Involvement in different research activities.</li> </ul>

- Engagements as an Assistant Professor at Sfax University, Sfax, Tunisia (From June 2010 to January 2015)

Country	Government University	Role	Responsibilities
Tunisia	Faculty of science-Sfax	Assistant Professor	<ul style="list-style-type: none"> <li>✓ Conducting lectures at graduate and undergraduate classes in different areas of computer.</li> <li>✓ Delivering seminars on different Information Technology related areas.</li> <li>✓ Involvement in different research activities.</li> </ul>

- Engagements as an Assistant at Sfax University, Sfax, Tunisia (From September 2005 to June 2010)

Country	Government University	Role	Responsibilities
Tunisia	Faculty of science-Sfax	Assistant	<ul style="list-style-type: none"> <li>✓ Conducting lectures at graduate and undergraduate classes in different areas of computer.</li> <li>✓ Involvement in different research activities.</li> </ul>

- Engagements as an Assistant at Sfax University, Sfax, Tunisia (From September 2000 to June 2005)

Country	Government University	Role	Responsibilities
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<b>Tunisia</b>	<b>Faculty of Economics and Management-Sfax</b>	Contractual Assistant	<ul style="list-style-type: none"> <li>✓ <b>Conducting lectures at graduate and undergraduate classes in different areas of computer.</b></li> <li>✓ <b>Involvement in different research activities.</b></li> </ul>
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➤ **Engagements as a Student-Teacher at Sfax University, Sfax, Tunisia (From September 1998 to June 2000)**

<b>Country</b>	<b>Government University</b>	<b>Role</b>	<b>Responsibilities</b>
<b>Tunisia</b>	<b>Faculty of Economics and Management-Sfax</b>	<b>Student-Teacher</b>	<ul style="list-style-type: none"> <li>✓ <b>Conducting lectures at graduate and undergraduate classes in different areas of computer.</b></li> </ul>

## PUBLICATIONS

1. Senda Bouaziz, Ahlem Nabli and Faiez Gargouri: Towards Data Warehouse from Open Data: Case of COVID-19, International Journal of Hybrid Intelligent Systems, Volume 17 IJHIS 2021.
2. Soumaya Boukettaya, Ahlem Nabli and Faiez Gargouri: Data migration in graph oriented databases, Research in computing science journal RCS 2020.
3. Amal Sallemi, Ahlem Nabli and Faiez Gargouri: Normalized NoSQL Graph Data Warehouse, Research in computing science journal RCS 2020.
5. Kawthar karkouda, Ahlem Nabli and Faiez Gargouri: A homomorphic schema to securely hosting data warehouse in the cloud, Research in Computing Science Journal, Volume 134, No 5, pp. 99-118 , RCS-2019.
6. Senda Bouaziz, Ahlem Nabli, Faiez Gargouri: Design a Data Warehouse Schema from Document-Oriented database, Proceedings of the 23rd International Conference on Knowledge-Based and Intelligent Information & Engineering Systems, pp.221-230 KES 2019
7. Kawthar karkouda, Ahlem Nabli, Faiez Gargouri: TrustedDW : A new framework to securely hosting data warehouse in the cloud, Proceeding of the 34th International Conference on Computers and their Applications, pp. 397-406, CATA 2019.
8. Hichem Dabbèchi, Ahlem Nabli, Lotfi Bouzguenda, Kais Haddar: DWIaaS: Data Warehouse Infrastructure as a Service for Big Data Analytics. Trans. Computational Collective Intelligence 30: 133-151 (2018)

9. Moalla. I, Nabli. A, Hammami. M:”Towards Opinions analysis method from social media for multidimensional analysis”. International Conference on Advances in Mobile Computing & Multimedia (MoMM), 2018.
10. Soumaya Boukettaya, Ahlem Nabli, Faïez Gargouri. Towards the evolution of graph oriented databases. ISDA, December 2018.
11. Soumaya Boukettaya, Ahlem Nabli, Faïez Gargouri. Vers l’évolution des bases de données orientées graphes : opérations d’évolution. In ASD 2018: Big data & Applications, pages 557–569. ASD, May 2018.
12. Sellami. A, Nabli. A, Gargouri. F.” Entrepôt de données NOSQL orienté graphe : Règles de modélisation”, in 12th edition of the Conference on Advances of Decisional Systems (ASD 2018: Big data & Applications ).
13. Sellami. A, Nabli. A, Gargouri. F. “Transformation of Data Warehouse Schema To NoSQL Graph Data Base”, in 18th International Conference on Intelligent Systems Design and Applications (ISDA 2018).
14. A new schema for securing data warehouse hosted in the cloud. Kawthar karkouda, Ahlem Nabli, Faiez Gargouri .The International Conference on Research and Practical Issues of Enterprise Information Systems (CONFENIS 2018).A Poland de 18 au 20 September 2018.
15. Kawthar Karkouda, Ahlem Nabli, Faiez Gargouri. Privacy and availability in cloud data warehouse. . 10<sup>TH</sup> International Conference on Education Technology and Computers (ICETC 2018). A Tokyo, Japan de 26 au 28 October 2018.
16. Kawthar Karkouda, Ahlem Nabli, Faiez Gargouri. CloudWar : A new schema for securing and querying data warehouse hosted in the cloud. The 28th International Conference on Computer Theory and Applications (ICCTA 2018). A Alexandria ,Egypt de 30 au 31 octobre , et le 1 novembre 2018 .
17. Jihen Majdoubi, Ahlem Nabli. Exploiting Temporal Information in Documents and Query to Improve the Information Retrieval Process: Application to Medical Articles, Jan 2017 International Journal of Advanced Computer Science and Applications. DOI: 10.14569/IJACSA.2017.080856
18. Rania Yangui, Ahlem Nabli, Faïez Gargouri: DW4SN: A Tool for Dynamic Data Warehouse Building from Social Network. Research in Computing Science 134: 191-205 (2017)
19. Imen Moalla, Ahlem Nabli, Lotfi Bouzguenda, Mohamed Hammami: Data warehouse design approaches from social media: review and comparison. Social Netw. Analys. Mining 7(1): 5:1-5:14 (2017)
20. Rania Yangui, Ahlem Nabli, Faïez Gargouri: ETL Based Framework for NoSQL Warehousing. EMCIS 2017: 40-53
21. Imen Moalla, Ahlem Nabli, Mohamed Hammami: Integration of a multidimensional schema from different social media to analyze customers' opinions. RCIS 2017: 391-400

22. Rania Yangui, Ahlem Nabli, Faiez Gargouri: Community Detection-Based Methodology to Data Warehouse Modeling from Social Network: Application to Handicraft Women Social Network. *Social Interactions and Networking in Cyber Society*, (Springer 2017), pp 109-123.
23. Moalla, I., NAbli, A., Bouzguenda, L., Hammami, M.: "Data warehouse design from social media for opinion analysis: the case of Facebook and Twitter". *International Conference on Computer Systems and Applications, AICSSA*, (2016).
24. Rania Yangui, Ahlem Nabli, Faiez Gargouri : Automatic Transformation of Data Warehouse Schema to NoSQL Data Base: Comparative Study. *Knowledge-Based and Intelligent Information & Engineering Systems: the 20th International Conference KES-2016*.
25. Hichem Dabachi, Ahlem Nabli, Lotfi bouzghenda "Towards Cloud-Based Data Warehouse as a Service for Big Data Analytics" *ICCCI 2016*.
26. Senda Bouaziz, Ahlem Nabli and Faiez Gargouri, " From Traditional Data Warehouse To Real Time Data Warehouse", *16th International Conference on Intelligent Systems Design and Applications (ISDA) Porto, Portugal December 14-16, 2016*.
27. Ahlem Nabli, Senda Bouaziz, Rania Yangui, Faiez Gargouri: Two-ETL Phases for Data Warehouse Creation: Design and Implementation. *ADBIS 2015: 138-150*
28. Rania Yangui, Ahlem Nabli, Faiez Gargouri: Towards Data Warehouse Schema Design from Social Networks - Dynamic Discovery of Multidimensional Concepts. *ICEIS (1) 2015: 338-345*.
29. Rania Yangui, Ahlem Nabli, Faiez Gargouri: FOAF-based clustering of handicraft women using ranked features. *ICTA 2015: 1-6*.
30. Rania Yangui, Ahlem Nabli and Faiez Gargouri: SHICARO: Semi-supervised Hierarchical Clustering based on Ranking features using Ontology. *SERVE 2014*.
31. Rania Yangui, Ahlem Nabli and Faiez Gargouri: SOIM: Similarity measures on Ontology Instances based on Mixed features. *MEDI 2014*.
32. Imen Moalla, Ahlem Nabli: Towards Data Mart Building from Social Network for Opinion Analysis. *IDEAL 2014: 295-302*
33. Rania Yangui, Maha Maalej, Achraf Mtibaa, Ahlem Nabli, Mohamed Mhiri, Faiez Gargouri Article rania asd 2014, "Towards Ontology-Based Clustering of Handicraft Women", Hammamet Juin 2014.
34. Eya Ben Ahmed, Ahlem Nabli, Faiez Gargouri: Group extraction from professional social network using a new semi-supervised hierarchical clustering. *Knowl. Inf. Syst.* 40(1): 29-47 (2014) (Facteur d'impact =2.639 en 2013)
35. Eya Ben Ahmed, Ahlem Nabli, Faiez Gargouri: A new semi-supervised hierarchical active clustering based on ranking constraints for analysts groupization. *International Springer Journal on Applied Intelligence.* 39(2): 236-250 (2013). (Facteur d'impact =1.853 )

36. Eya Ben Ahmed, Ahlem Nabli, Faïez Gargouri (2013), On Line Mining of Cyclic Association Rules From Parallel Dimension Hierarchies, Annals of Information Systems, Special issue on Data Mining Applications, (Selection de (IKE'2011)) Book Chapter
37. Rania Yangui, Ahlem Nabli, Faiez Gargouri, "Clustering handcraft women for behavioral analysis", INTIS 2013, P.65-74. Tanger Maroc.
38. Eya Ben Ahmed, Ahlem Nabli, Faïez Gargouri: Towards Quantitative Constraints Ranking in Data Clustering. DEXA (2) 2012: 121-128.
39. Eya Ben Ahmed, Ahlem Nabli, Faïez Gargouri: Building Conflict-Aware Profiling Ontology from Data Warehouses. International Journal of Computer Applications (0975 – 888). Volume 48– No.11, June 2012. (Facteur d'impact calculé par IJCA =0.791 en 2012)
40. Eya Ben Ahmed, Ahlem Nabli, Faïez Gargouri : New Algorithm for Cyclic Mining in Temporal Databases, the Dline Journal Progress in Computer Applications, Vol. 1, Issue 1, No 1, March 2012, ISSN (Online) : 2278 - 6465, 12-17 (selection de (ICDIM'11));
41. Eya Ben Ahmed and Ahlem Nabli and Faïez Gargouri, "Building MultiView Analyst Profile From Multidimensional Query Logs: From Consensual to Conflicting Preferences", CoRR,2012. IJCSI International Journal of Computer Science Issues, Vol. 9, Issue 1, No 2, January 2012 ISSN (Online): 1694-0814.124-131. (Facteur d'impact =0.242 computed by IJCSI en 2011);
42. Eya Ben Ahmed, Ahlem Nabli, Faïez Gargouri: A Survey of User-Centric Data Warehouses: From Personalization to Recommendation. CoRR abs/1107.1779 (2011). The International Journal of Database Management Systems (IJDMS), May 2011, Volume 3, Number 2.
43. Eya Ben Ahmed, Ahlem Nabli, Faïez Gargouri: New Algorithm for Cyclic Mining in Temporal Databases. DLINE, Progress in Computing Applications 2012: 1-11. Selected paper from ICDIM 2011.
44. Eya Ben Ahmed, Ahlem Nabli, Faïez Gargouri: Performing Groupization in Data Warehouses: Which Discriminating Criterion to Select? NLDB 2012: 234-240.
45. Eya Ben Ahmed, Ahlem Nabli, Faïez Gargouri: Usage des mesures pour la génération des règles d'associations. EDA 2011: 103-118. June 8-9, 2011. Clermont Ferrand, France.
46. Eya Ben Ahmed, Ahlem Nabli, Faïez Gargouri: Mining cyclic association rules from multidimensional knowledge. ICDIM 2011: 12-17.
47. Eya Ben Ahmed, Ahlem Nabli, Faïez Gargouri: Cyclic Association Rules: Coupling Between Dimensions With Measures. SEKE 2011: 379-384.
48. Jamel Feki, Ahlem Nabli, Hanène Ben-Abdallah, Faïez Gargouri. An Automatic Data Warehouse Conceptual Design Approach. Encyclopedia of Data Warehousing and Mining - 2<sup>nd</sup> Edition, Editor John Wang, ISBN 978-1-60566-010-3 (hardcover), ISBN 978-1-60566-011-0 (ebook), pp 110 – 119, 2009. Book Chapter
49. Ahlem Nabli, Jamel Feki. "Optimisation des relations multidimensionnelles pour une ontologie dédiée à la conception de systèmes décisionnels". Premières Journées

Francophones sur les Ontologies, CPU, ISBN N°978-9973-37-414-1, pp 405-424, Sousse, Tunis, 18-20 Octobre 2007.

50. Ahlem Nabli, Jamel Feki, Faïez Gargouri. "An ontology based method for normalisation of multidimensional terminology". The second IEEE Signal-Image Technology & Internet Based Systems, Springer-Verlag, Lecture Notes in Computer Science, pages 225-234, ISSN 2-9525435-1, , pp 287-296, Hammamet, Tunisia, 17-21 Décembre 2006.
51. Ahlem Nabli, Jamel Feki, Mohamed Mhiri, Faïez Gargouri, "Vers une approche de construction d'ontologie décisionnelle : Extraction des Eléments Multidimensionnels". The 9<sup>th</sup> Maghrebien Conference on software engineering and artificial intelligence (MCSEAI'06), Agadir, Morocco, 07-09 Decembre 2006.
52. Mohamed Neji, Ahlem Nabli, Jamel Feki, Faïez Gargouri: "Multidimensional Schema Evolution - Integrating New OLAP Requirements". Proceedings of the Eighth International Conference on Enterprise Information Systems: Databases and Information Systems Integration, ISBN 972-8865-41-4., Paphos, Cyprus, May 23-27, 2006.
53. Ahlem Nabli, Jamel Feki, Faïez Gargouri. "Adapting Multidimensional Patterns to Data sources using Algebraic Operators". The Seventeenth International Conference on Software Engineering and Knowledge Engineering, pp 713-718, Taipei, Taiwan, Republic of China, July 14 to 16, 2005.
54. Ahlem Nabli, Ahlem Soussi, Jamel Feki, Hanene BenAbdallah, Faïez Gargouri. "Towards an Automatic Data Mart Design". The I7th International Conference on Enterprise Information Systems, pp 226-231, Miami, USA, 24-28 May 2005.
55. Ahlem Nabli, Jamel Feki, Faïez Gargouri. "Automatic construction of Multidimensional Schema from OLAP Requirements". The 3rd ACS/IEEE International Conference on Computer Systems and Applications, Cairo, Egypt, 3-6 January 2005.

## TEACHING EXPERIENCE

- **Since January 2015 Assistant professor**  
**Al BAHA University- Faculty of computer Sciences and information technology**
  - Data analysis and design, Level 4
  - Data structure and algorithms, Level 4
  - Compilers, Level 5
  - Software engineering, level 5
  - Advanced software engineering, level 5
  - Intelligent system, level 6
  - Data base, level 4
  - Selected topics for computer science level 8

- Senior project for cs1, level 7
  - Senior project for cs2, level 8
  - Recommender system, level 7
  - Introduction to human computer interaction, level 6
  - Design information system, level 4
  - Introduction to computing, level 2
  - Essay and research writing skill
- **September 2010 – January 2015 Assistant professor**
  - **University of Sfax – Faculty of science**
    - Course *data warehouses*:
      - Master of Computer Research MRI2 of the Faculty of Sciences of Sfax (2012-2013/2013-2014)
      - Master of Computer Research MRI1 of The High Institute of Management of Gabes (ISGG) (2013-2014)
      - Master Professional MPI of The Higher Institute of Technological Studies of Sfax (2013-2014)
    - Course *database management system DBMS/ PL-SQL*
      - Fundamental license in computer science LFI2
      - Applied License in computer networks LARI2
    - Course *Multidimensionnel data bases* LFI3
    - Course and tutorial class *Data Bases* LFI2
    - Course *Algorithms and Data Structures* ASD I & II, First Year Bachelor in Applied Computer Network LARI1.
    - Course *Distributed Systems* for students of Applied Degree in Computer Network LARI3.
  - **2005-2010 : Teacher-Researcher**
    - Course *database management system DBMS/ PL-SQL*
      - Fundamental license in computer science LFI2
      - Applied License in computer networks LARI2
    - Course *Multidimensionnel data bases* LFI3
    - Course and tutorial class *Data Bases* LFI2
    - Course *Algorithms and Data Structures* ASD I & II, First Year Bachelor in Applied Computer Network LARI1.
    - Course *Distributed Systems* for students of Applied Degree in Computer Network LARI3.



- **2000-2005 : Contractual Teacher-Researcher** (tutorial class)
  - *Algorithms and Data Structures*
  - *Advanced Data Bases*
  - *Computer network*
  - *Local networks*
- **1998-2000 : Contractual Teacher**
  - Algorithms and programming  
*Advanced data structure*

<b>COMMITTEE PROGRAM</b>
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- **The International Journal for Computers and Their Applications**
- **ASD 15, ASD 2014, ASD 2013, ASD 2012**
- **ISIA 2014**
- **JFO 2014**
- **INTIS 2013**

<b>SERVICE/OTHER RELEVANT EXPERIENCE/PROJECTS</b>
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**CO-SUPERVISING DOCTORAL STUDENTS:**

- ✓ Eya Ben Ahmed: data warehouse-centric users: Towards an anthropocentric approach from analysis to mining.
- ✓ Rania Yangui: Adaptation of the data warehouse architecture for the integration of unstructured data from social networks
- ✓ Kaouther Karkouda: A optimized data storage model for data warehouse in the cloud
- ✓ Imen Moalla: A new data warehousing approach from social media for opinions analysis
- ✓ Senda Bouaziz: Data warehouse from Nosql data bases.
- ✓ Amal Sallemi: Graph Datawarehouse
- ✓ Soumaya Boukettaya : Evolution of Graph data base.

**SUPERVISING Master students**

- ✓ Hager Akid : logic model of a NoSQL data warehouse

- ✓ Afef Geidi: Migrating a Relational Data Warehouse to A NoSQL Data Warehouse oriented Columns
- ✓ Marwa ebn salah: OLAP operators for Columns Oriented Data Warehouse
- ✓ Senda Bouaziz : Modeling and Implementing a ETL process from Heterogeneous Sources
- ✓ Manel Grati : Construction of a data warehouse in a NoSQL database
- ✓ Imen Moalla : Design and Implementing a Data Warehouse from the Network Social Facebook
- ✓ Nouha beltaief : Design and Implementation of a data warehouse for the company Ines Furniture

## REFERENCES

- ✓ Prof. Faiez Gargouri  
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- ✓ Prof. Jamel Feki  
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- ✓ Asso. Prof. Walid Mahdi  
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