

# Curriculum Vitae

## Ilyes Jenhani



**Date and place of birth:** 08/06/1980 in Basel (Switzerland).

**Address:** 82, Avenue de la justice, Cité Merdess, 8090 Kélibia, Tunisia.

**Marital Status:** Single.

**Phone:**

Home: (+216) 72.29.60.28

Mobile: (+216) 98.53.43.59

**E-mail:** [jenhani\\_ilyes@voila.fr](mailto:jenhani_ilyes@voila.fr)

### 1. Education

**07/2005: Master of Science MSc** in Business Computer Science (Higher Institute of Business of Tunis- Tunisia) [With First class Honours].

**06/2003: Bachelor of Science BSc** in Business Computer Science (Higher Institute of Business of Tunis-Tunisia) [With First class Honours].

**06/1999: Baccalauréat on Maths** (Secondary school of Kélibia).

### 2. Teaching Experience and Trainings

#### Teaching:

- **2006-2007:** Temporary teacher at the Higher Institute of Business, Computer Science Department: Tutorials on « **Algorithms and Programming I & II** » (Level: 1).
- **2005-2006:** Temporary teacher at the Higher Institute of Business, Computer Science Department: Tutorials on « **Algorithms and Programming I & II** » (Level: 1).
- **2003-2004:** Temporary teacher at the Higher Institute of Business, Computer Science Department: Tutorials on « **Oracle Developer 2000** » (Level: 3).

## Trainings:

Period	Project	Used Technologies	Used tools	Company
01/02/2003 – 30/06/2003	Development of a visual syntactic editing system (Web based and multi platforms) for the XQuery language.	XML, XSL, CSS XQuery, JSP, Java Script.	XML Spy 4.3.1, Tomcat 4.0, JDK 1.3, Xerces, Xalan, MSXml, XQ	ARCHIMED TUNISIE

## 3. Research and publications

### Research:

- **Since 2005:** PhD student at **LARODEC** (Laboratoire de Recherche Opérationnelle, de Décision et de control de processus). Thesis title: *An Artificial Immune System based Classifier under Uncertainty: Application to Intrusion Detection*.
- **2003-2005:** Member of **LARODEC** (Laboratoire de Recherche Opérationnelle, de Décision et de control de processus), Master Dissertation: *Qualitative Possibilistic Option Decision Trees*. (Discussed on 16-07-2005. Mark: 18/20).

### Refereed Papers on International Conferences:

- I. Jenhani, N. Ben Amor, Z. Elouedi, Salem Benferhat and K. Mellouli: **Information Affinity: a new similarity measure for possibilistic uncertain information**, *Proceedings of the 9<sup>th</sup> European Conference on Symbolic and Quantitative Approaches to Reasoning with Uncertainty*, Hammamet, Tunisia, 2007.
- I. Jenhani, Z. Elouedi, N. Ben Amor and K. Mellouli, **Qualitative inference in possibilistic option decision trees**, *Proceedings of the 8<sup>th</sup> European Conference on Symbolic and Quantitative Approaches to Reasoning with Uncertainty*, Barcelona, Spain, 2005.

### Current Interests:

- Reasoning under uncertainty.
- Possibility Theory, Evidence Theory, Imprecise Probabilities Theory, Fuzzy sets Theory.
- Machine Learning.
- Data mining from uncertain databases.
- Classification (Decision trees, Support Vector Machines, Artificial neural networks, Naïve Bayesian networks).
- Clustering.
- Bio-inspired computing: Artificial Immune Systems, Genetic Algorithms and Swarm intelligence.

## 4. Main Realized Projects

- Implementation of a *MATLAB Toolbox* (PD2T TOOLBOX) for the construction and use of decision tree classification technique with uncertain and imprecise data (Matlab 6.5).
- Design and Implementation of an *SQL Query Generator* (Unified process and Visual C++).
- Design and realization of an *Automatic Teller Machine* software (Unified process and JAVA).
- A *Doctor's surgery Management* software (Visual Basic 6.0, Access).
- A dynamic web site for LINUX commands (PHP, MySQL).
- Development of a compiler–*Lexical and syntactic Analyser*- (Visual C++).
- Implementation of an *Enterprise's human resource management* software (Visual C++, Merise).

## 5. Computer Literacy Skills

- **Environments:** MS-DOS, Windows (9x/NT/2K/XP), Linux;
- **Programming Languages:** Matlab, C/C++, Java, JSP, PHP, Java script, Visual Basic, Cobol, Ada, Assembleur (8086) (des notions), Prolog (des notions), PL/SQL HTML, XML, XSL;
- **Data Base:** Oracle, MySQL, Data Warehouse, Data Mining;
- **Software Engineering :** Merise, Unified Modeling Language, Unified Process;
- **Information System:** DSS, MSS, EIS, GSS, Expert Systems, KMS;
- **Programming tools:** Matlab 6.5, Eclipse 3.1, Microsoft Visual C++ 5.0, Microsoft Visual Basic 6.0, Jbuilder5, Visual Prolog 5.2, Developer2000, Designor2000, Rational rose 2000, AMC Designor 5.0, Web Expert;
- **Miscellaneous:**  
Weka 3.4 (Data mining tool) , WinEdit (LaTeX), Visio, Lindo, Office 2003, XML Spy;

## 6. Spoken Languages

- **Arabic** (Mother tongue)
- **French** (Good spoken and written)
- **English** (Good spoken and written)