



# SAIDI Afef

*Ph.D. Student in Electrical Engineering*

*Nationality: Tunisian*

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## STUDIES

- Since December 2017      Ph.D. Student at the National Engineering School of Carthage (ENICarthage) in the Advanced Systems Lab (LSA), Tunisia Polytechnic School (EPT). University of Carthage.  
Thesis title: « Exploring Parallel Architectures for Implementing Classification algorithms »
- 2015- 2017      Research master's degree in Biophysics, Radiophysics and Medical Imaging.  
Higher Institute of Medical Technologies of Tunis (ISTMT), University of Tunis El Manar and  
in Advanced Systems Laboratory (LSA) Tunisia Polytechnic School(EPT).  
Decertation title: « FPGA Implementation of EEG Signal Analysis System for the Detection of  
Epileptic Seizure ».
- 2013-2014      Bachelor's degree in Process Engineering.  
Higher Institute of Technological Studies (ISET) of Sidi Bouzid, Tunisia.
- 2005-2008      DUT (Diplome Universitaire de technologie) in Medical Electronics.  
Higher Institute of Medical Technologies of Tunis (ISTMT).  
End of studies project's title: "Analysis system of a hemodialysis generator by the PIC  
microcontroller PIC 16F877".
- June 2005      Baccalauréat in Mathematics.  
Secondary school El Manar Kasserine (Tunisia).

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## WORK EXPERIENCE

- Sept – Dec 2018      Higher Institute of Information and Communication Technologies (ISTIC): Teaching  
Assistant, Dept Industrial Information Technology
- June – September 2012      Regional Hospital Sidi Bouzid Tunisia: voluntary internship
- November- March 2010      Regional Hospital Kasserine, Tunisia: voluntary internship
- Oct 2009 - Oct 2010      Computer Graphic Design Company: Internship in Professional Life
- July 2005      University Hospital Tahar Sfar Mahdia, Tunisia: summer internship

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## WORKSHOPS

- 28-30 March 2018 Participation in the workshop "International Workshop Deep training in Deep learning" in Sousse-Tunisia.
- 25-29 June 2018 Participation in the second edition of Data Science Summer School (DS3) at the École Polytechnique, Palaiseau - France.

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## PUBLICATIONS

- 22-25 March 2018 **FPGA Implementation of EEG Signal Analysis System for the Detection of Epileptic Seizure**  
Afef SAIDI, Slim BEN OTHMAN, Wafa KACEM and Slim Ben Saoud  
In 2<sup>nd</sup> International Conference on Advanced Systems and Electrical Technologies (IC\_ASET'2018), pages 415-420, Hammamet, Tunisia.

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## ACTIVITIES

- 25 April 2018 Participation in Coaching at the event of E-Health Challenge Tunisia 2<sup>nd</sup> edition.
- 28 July – 3 August Trainer at the First Camp of Scientific and Technological Immersion on the "Internet of Things" IOT dedicated to high school students (aged 15-18) at the IMEF korba.

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## COMPUTER SKILLS

- Software: Matlab, Vivado, SDK, CodeBlocks, Solid Works, ISIS, XILINX ISE, Anaconda, Adobe Illustrator.
- Programming languages: C, Python, C++, php, SQL, Java.

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## LANGUAGES

Arabic: Native  
French: Fluent  
English: Fluent