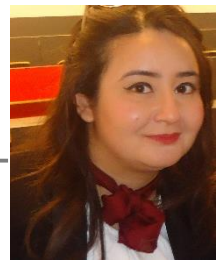# Amal SAADALLAH

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Germany

Experiences

INTERNSHIPS

- **01/04/2017– 30/09/2017: Graduate School Scholarship Program of SFB 876** at TU Dortmund (Germany) (B3 Project: Real-time quality prediction of industrial products- Tunnelling Project: Active Learning for reducing simulation costs for mechanised tunnelling)
- **01/04/2016 – 30/09/2016: Master Thesis Intern** at NEC Laboratories Europe (Heidelberg-Germany) (Data Analysis and Machine learning: Automated learning systems from transportation data)
- **25/06/2015 – 31/08/2015 : Engineer Internship (Junior Consultant)** at VIFCO (Consulting Firm- Tunisia) (Feasibility study of a project, Elaboration of a financial plan, Sensitivity analysis)
- **15/07/2014 – 15/08/2014 : Workman internship** at ICAR (An auto industry-Tunisia)

ACADEMIC PROJECTS

- **02/2016: Machine Learning:** Logistic regression for return direction prediction for 5 Tunisian stock exchanges (R)
- **11/2015: Econometrics:** Modelling the effect of inflation, investment, life expectancy and literacy rate on per capita GDP (Python)
- **06/2015 : Information System :** Development of students results management application (Java EE)
- **06/2015 : Operational Research :** Implementation of the KLM algorithm for the bin packing problem (Matlab)
- **06/2014 : Object Oriented Programming :** Design of basic acid dosing simulation software (Python)

Education

2015 -2016   "ECOLE POLYTECHNIQUE DE TUNISIE"

Engineering student (Option: Economics and scientific management): Data Analysis, Machine Learning, Optimization, Operational Research, Statistics, Econometrics, Microeconomics, Macroeconomics, Controlling, Financial Markets, Logistics ...

2013 - 2015   "ECOLE POLYTECHNIQUE DE TUNISIE"

Engineering student (multidisciplinary studies): Mathematics, Physics, Mechanics, Information Technologies, Project Management,   Marketing...

2010 - 2013   "IPEST: INSTITUT PREPARATOIRE AUX ETUDES SCIENTIFIQUES ET TECHNIQUES"

National exam for entrance to engineering schools, 2013 session, ranked (20/2000)

2006 - 2010   LYCEE PILOTE DE SOUSSE Tunisian "Baccalauréat", mathematics section, 2010 session, with distinction "très bien": 18.59/20

Knowledge and Skills

LANGUAGES

Arabic: Mother tongue	**English:** Fluent (spoken and written) (TOEIC Score: 880)
French: Fluent (spoken and written)	**German:** Beginner

TECHNICAL SKILLS

Office software: Microsoft Office (Microsoft Excel (VBA), PowerPoint...) **| Programming languages:** R, Python, SQL, Java EE, C, Pascal **| Scientific software:** Matlab/ Simulink, Maple

COMMUNITY LIFE

- **04-05/2015 :** Public Relations Manager in the organizing committee of the events "TED'xEPT"/ "Start-up Weekend TPS