

NIDHAL SATOURI

ANALYTICS SPECIALIST | SOFTWARE ENGINEER | FULBRIGHT ALUMNUS
+216 50 795 883 | satouri.nidhal@gmail.com | linkedin.com/in/NidhalSatouri

EDUCATION

BOWLING GREEN STATE UNIVERSITY (BGSU)

Master of Science, Analytics [GPA: 4/4]

Scholarship: Fulbright Foreign Student Program

Bowling Green, OH - USA
Aug 2015 – Aug 2016

NATIONAL INSTITUTE OF APPLIED SCIENCE AND TECHNOLOGY (INSAT)

National Engineering Diploma, Software Engineering [GPA: 3.65/4]

Minor: Management of Information Systems

Tunis, Tunisia
Sep 2010 – Jun 2015

SKILLS

- Analytics: R, Python, SQL, Excel, SAS-EMiner, Tableau
- Big Data: Hadoop (MapReduce), Spark, Impala, Hive, Cassandra, AWS, Talend (DI/ESB)
- Programming languages: Java, C++, Objective-C
- Mobile/Web: iOS, PHP, JavaScript, J2EE, .NET
- Languages : Arabic, French, English, German

RELEVANT PROJECTS

ANALYTICS RESEARCH PROJECT – BGSU

Sep 2015 – Apr 2016

- Led exploratory data analysis on 2 Parkinson's tele-monitoring (dysphonia) datasets using R
- Implemented and optimized predictive models like Logistic Regression, Decision Tree, Gradient Boosting and Neural Networks to simplify Parkinson's diagnosis using SAS-EMiner
- Evaluated the models' performance and compiled the analysis results in a research paper

BIG DATA PROJECT – BGSU

Mar 2016 – Apr 2016

- Cleansed 40 years worth of data (15 billion observations) from the US National Climatic Data Center on Cloudera CDH 5.5
- Automated the data retrieval, consolidation and loading into Hive Metastore and HDFS (Hadoop) using a shell script
- Coded SQL queries in Impala and built Linear Regression and Time Series models in Python (numpy, pandas, scipy, matplotlib, statsmodel, impyla)

DATA MINING PROJECT – BGSU

Mar 2016 – Apr 2016

- Cleaned and transformed 10 years of road accidents' data from the Transportation Safety Board of Nebraska using SAS-EMiner and Excel
- Run statistical analysis, predicted the probability of an accident given the city section characteristics and generated Association Rules about co-occurring factors leading to accidents
- Visualized the insights in Tableau and delivered recommendations for a better safety plan

WORK EXPERIENCE

BULLDOZER INC *Web Development Intern*

Tunis, Tunisia
Feb 2015 – May 2015

- Implemented the backend of a professional social network dedicated to the fashion industry
- Architected and built a RESTful API that will be consumed by back-office and mobile applications

ORANGE *Mobile Development Intern*

Tunis, Tunisia
Jul 2014 – Aug 2014

- Led the development of a social all-in-one mobile app (Selfie Maker) offering advanced features like Voice Recognition, Face Detection, and Photo Customization

FLAG ENGINEERING *Mobile Development Intern*

Djerba, Tunisia
Jun 2013 – Aug 2013

- Built an m-commerce iOS app for a retail client providing the main following functionalities: products catalogue, user account setting, cart management, and payment

CERTIFICATIONS

- Python for Data Science – DataCamp** Aug 2016
- Big Data on Amazon Web Service Quest – qwikLABS Inc.** Mar 2016
- Microsoft Technology Associate: Database Administration Fundamentals** Jun 2011

PROFESSIONAL ORGANIZATIONS & VOLUNTEERING

NETLINKS CLUB - INSAT

Technical team member, iOS trainer and event organizer

Tunis, Tunisia
Jan 2012 – Sep 2014

TUNISIAN RED CRESCENT

Certified First-Aider

Ariana, Tunisia
Sep 2012 – Feb 2015