

## **Mihai Monar**

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### **PERSONAL PROFILE**

I am a motivated Software Developer with very good coding skills with programs such as Java, C#, Python, SQL, R, Tableau. Currently seeking a permanent position/internship as a Software Developer. As an individual, I am sociable, helpful, detail orientated and driven to see through tasks to completion and have a genuine interest in Software Development.

### **EDUCATION**

**04/18- 12/18 City&Guilds Level 2 Software Development DDLETB Baldoyle**

**Modules:** (can start employment on 15 October 2018)

1. Java Software Development / 2. C# Software Development  
3. Designing and creating databases / 4. Software testing / 5. Customer service

**Certifications**

- level 2 City&Guilds Creating an event driven program using Java(7540-007) -Distinction-
- level 2 City&Guilds Creating an event driven program using C#(7540-008) -Distinction-

**Languages:** Java , C# , SQL **Tools used:** Netbeans , Visual Studio, Microsoft SQL Server

**2015 - 2016 Level 8 HIGHER DIPLOMA IN COMPUTING Dublin Institute of Technology**  
**Data Analytics stream-Course code DT265 DIT**

**Modules:**

Object Oriented Software Development / Data Analytics / Web & User Interface Design /  
Advanced Databases and SQL / Data Visualisation / Information Systems /  
Probability Model & Statistical Inference / Architecture, Operating Systems & Networks

**Languages:** Python, SQL, R, SAS, Tableau

**Individual Projects:**

#### **1. Travelling Salesman Problem for Aviation Industry using Object Oriented Programming in Python**

- Discussed program requirements and methods of implementation using Object Orientation
- Built main classes and functions using Python
- Implemented project rules and constraints using OOP
- Tested code functionality and troubleshoot errors
- Wrote documentation defining the project problem, project steps and code functionality

#### **2. Analysis of road traffic accidents using descriptive analysis and machine learning**

- Developing knowledge from a road traffic data set and identifying the main factors that contribute to accidents occurring, through data exploration
- Doing variable selection based on variable importance by analysing the variable impact on the predictive model performance(classification model)
- Data visualisation of important variables and predictive modelling(only on historic data in order to develop a model with the best accuracy )

**2007 – 2011 Bachelor of Business (Honours) in Accounting Institute of Technology**

**Modules:** **Tallaght**

Taxation / Accounting / Financial Accounting / Business Law / Corporate Finance

## **2004 – 2006 Introduction in Accounting**

### **Subjects:**

Statistics/Accounting principles/Computing for Accounting

**“George Bacovia” College,  
Bacau, Romania**

## **WORK EXPERIENCE**

2016-2017 Undertook various Computer Science Online Courses (see Achievements section)

### **Assistant Manager**

2008-2016 Duffy Group Ltd ( Centra ), Dublin 7

Duties:

Performing daily takings reconciliations and reports matching, cash management, stock taking

Stock ordering with emphasis on margins and promotions/ systems troubleshooting

Acting as a replacing manager during holidays season

Management of daily tasks, Staff supervision and training in retail and office aspects of the job

### **Supervisor Hardware Department**

2004-2007 Dedeman Ltd., Bacau, Romania

Sales of parts /advice on hardware installation/stock management and stocktaking

High volume stock ordering for a regional warehouse/Customer service

## **ACHIEVEMENTS**

Courses successfully completed on my own during 2017:

- Successfully completed a Python course from Dublin City University (DCU): algorithms building, Object Oriented Software Development
- Online UDEMY course: **Data Science A to Z :Real life Data Science exercises** by Kyrill Eremenko which included: Data Visualisation in Tableau, Data mining and regression analysis models with GRETL, classification models, linear regression, hypothesis testing, data cleaning, ETL processing with SSIS (theory and practical tasks)
- Online UDEMY course: **MySQL, SQL and Stored Procedures from Beginner to Advanced** by John Purcell: database building, query, stored procedures, views, functions
- Exposed to Python Data Science modules for data transformation and visualisation: pandas, matplotlib, seaborn

## **SKILLS**

- Data analysis ,programming and problem solving skills / Proficient in Microsoft Office
- Excellent leadership skills, supervised up to 6 staff as assistant manager
- Excellent spoken and written English, native Romanian, basic Spanish

## **HOBBIES/INTERESTS**

Keeping active and practicing sports like basketball and cycling

Passionate about music and practicing guitar/Reading/Taking online courses

## **REFERREES**

Derek Stafford

Software Development lecturer at

DDLETB Baldoye

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