

## Contact

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## Top Skills

Generative AI

Oracle Cloud

Amazon Web Services (AWS)

## Certifications

Data Science Specialization

Google Data Analytics Professional Certificate

Data Analysis with R Programming

Microsoft .NET Framework 3.5, ADO.NET Application Development (MCTS)

# Atoosa Madadkar

AI Engineer

Dublin, County Dublin, Ireland

## Summary

As a seasoned data scientist with over 13 years of experience, I pride myself on having a keen statistical acumen and strong focus on cutting-edge machine learning algorithms. I have honed my skills in SQL, R, and Python through multiple projects in tech, health, education, and business industries. I am passionate about deriving insights from complex data and presenting it in an easily understandable format.

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## Experience

### Idiro Analytics

AI Scientist

November 2023 - Present (11 months)

Dublin, County Dublin, Ireland

- Drive innovation by deploying cutting-edge NLP and LLM solutions, leveraging transformer models (e.g., GPT) and Langchain
- Utilizing Python programming libraries like Keras, PyTorch, and Spacy to implement impactful solutions to build chatbots

### nizek

Lead Data Analyst

March 2022 - January 2024 (1 year 11 months)

London, England, United Kingdom

- Using automated tools to extract data from primary and secondary sources
- Removing corrupted data and fixing coding errors and related problems
- Developing and maintaining databases, data systems – reorganizing data in a readable format
- Performing analysis to assess quality and meaning of data
- Filter Data by reviewing reports and performance indicators to identify and correct code problems
- Using statistical tools to identify, analyze, and interpret patterns and trends in complex data sets that could be helpful for the diagnosis and prediction
- Assigning numerical value to essential business functions so that business performance can be assessed and compared over periods of time.

- Analyzing local, national, and global trends that impact both the organization and the industry
- Preparing reports for the management stating trends, patterns, and predictions using relevant data
- Working with programmers, engineers, and management heads to identify process improvement opportunities, propose system modifications, and devise data governance strategies.
- Preparing final analysis reports for the stakeholders to understand the data-analysis steps, enabling them to take important decisions based on various facts and trends.

## Safir Language Academy

### Data Scientist

January 2013 - May 2021 (8 years 5 months)

Tehran, Iran

- Built a logistic regression model using R to help the SEO team decide which keywords to target resulting in a 40% lift in our website's view in 2020
- Worked with CEO to perform cohort analysis that identified an opportunity to cease the students dropouts by 15% to boost yearly revenue
- Worked with students to understand their needs and translate those needs into actionable reports in Tableau saving more than 80 hours of manual work each semester
- Introduced RDBMS using SQL Server and documented the whole process written in R Markdown for further usage and references

## Samsung Ads

### Lead Data Architect

September 2016 - September 2017 (1 year 1 month)

Tehran, Iran

- Built RDBMS with the products, their brands and the sale statistics for descriptive, diagnostic and predictive proposes using R and SQL Server 2014
- Mentored sophisticated organizations on large scale data and performed analytics using advanced statistical and machine learning models
- Automated ETL processes, making it easier to wrangle data in Python and reducing time by as much as 55%
- Used Tableau to graphically visualize the information to the primary stakeholders

## Rajaie Cardiovascular, Medical and Research Center

### Data Scientist

June 2011 - December 2013 (2 years 7 months)

Tehran, Iran

- Explored and examined genetic data to find hidden patterns as measured by the machine learning algorithms like Random Forests, Decision Trees and Boosting using R which demonstrated a certain gene can contribute to heart disease
- Leveraged data from internal and external sources to create a first-party data source using Microsoft SQL Server maintaining a database of 3,000 patients
- Created a data repository for the future academic researchers on cloud platform
- Conducted a clinical trial for our scientific approach with six published articles

## Delta International Real Estate Group

Junior Data Analyst

September 2010 - September 2012 (2 years 1 month)

Tehran, Iran

- Led initiative to build statistical models using historical data to predict real estate prices in several economic markets
- Enhanced website's user experience by doing surveys and researches resulting in 40% increase in company's website traffic
- Gathered and analyzed branches' sales data using Microsoft Excel
- Earned little-known website over 2,000 organic clicks through statistical analysis

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## Education

Shahid Beheshti University

Bachelor's degree, Mathematics and Statistics · (September 2005 - September 2009)

Shahid Beheshti University of Medical Sciences

Master's degree, Biostatistics · (September 2010 - September 2012)