Cem Sakarya

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• **E-Mail** • **LinkedIn**

• **GitHub**

Financial Analysis | Information Systems Audit | Data Analysis

B.A.-level educated Data Analyst and Information Systems Auditor with a broad set of skills applicable across various sectors and roles. Having a progressive two year experience in the banking industry, can provide value with due diligence and technological competency, performing well in high-pressure, competitive environments. Looking forward to technical interviews and coding tests.

CORE COMPETENCIES AND ACHIEVEMENTS

- **Enthusiasm for Data Science.** Enthusiastic about Deep Learning algorithms and applications. Competent in data wrangling, intense experience with Oracle and MSSQL databases.
- **Data Analysis Technologies.** Fluent with SQL, Python, Pandas, Numpy, and Scipy. Had experience with Tensorflow and Keras. Personal projects with Java and Kotlin.
- **Privacy and Data Protection.** Intense hands-on experience with General Data Protection Regulation (GDPR) compliance.
- **Compatibility and Adaptability.** Proactive approach in business relations. Experience working with diverse teams, consultants, IT specialists, higher management, and auditees.
- **Neural Network Modeling Experience.** Participant of a team of 4 in the development phase of a neural network that offered a unified model which produced product recommendations and product churn probabilities.
- **Finance and IFRS9 Framework.** Keeping an eye open for the latest developments in regulations, quality standards and best practices setted by organizations like ISACA and FATF.
- **Multilingual.** Fluent in English (97 in TOEFL IBT dated 03.08.2019), beginner in Italian and German. Native in Turkish.
- **Winner of Multiple Awards.** Honored by placement in Dean's Honor List several times during bachelor studies. Promoted after 9 months of employment.

PROFESSIONAL EXPERIENCE

Internal Audit Department – Information Systems Auditor
Turkiye Is Bankasi   **January 2019 – Present**

Text mining project on web scraping outputs to detect anomalies.
Rearranging the control objectives for the Personal Data Privacy Audit Plan.
Contributions on the refinement of the code and the scope of the Human Resources Risk Metrics.
Refining the operational risk framework, modeling data to better evaluate the risks of new products.
Data modeling to better evaluate FATCA/CRS compliance.
Auditing compliance of the consent documents with the GDPR.
End-To-End information systems audit on a newly adopted file sharing application.

Commercial Banking Division Marketing Department – Data Analysis Specialist
Turkiye Is Bankasi   **March - December 2018**

Drawing business insights from data as well as modifying and updating analytical marketing models.
Active participation in two major Data Science Projects. The first of the mentioned was the product churn probabilities project that raised the campaign success rates from about 3% to 22%. In addition, conducted a segmentation study using an LSTM based autoencoder and the t-SNE algorithm.

PROFESSIONAL CERTIFICATIONS

ISACA-Certified Information Systems Auditor (CISA)
Exam Passed on 04.10.2019
DataCamp - Data Analyst with Python
Certificate Number #85,316

EDUCATION AND TRAINING

Istanbul Technical University, Institute of Informatics, Istanbul, TR-
M.Sc. in Information Security Engineering and Cryptography, (August 2019 - Present)

Koc University, College of Administrative Sciences and Economics, Istanbul, TR–
B.A. in Economics(GPA 3.18) (November 2012 - August 2017)

Online Education from Diverse Sources – Platforms such as DataCamp, O'Reilly, Lagunita and Coursera.
Courses on Data Science, Machine Learning, Statistical Learning and Deep Learning.