









RIFAT ERDEM SAHIN



SENIOR DATA SCIENTIST | MACHINE LEARNING & PREDICTIVE ANALYTICS SPECIALIST

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 -  **GitHub:** github.com/rifaterdemsahin
 -  **Portfolio:** <https://rifaterdemsahin.com>
 -  **Schedule a Call:** <https://calendly.com/rifaterdem/schedule>
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PROFESSIONAL SUMMARY

Senior Data Scientist specializing in **translating complex data into actionable business insights and predictive models**. Deep expertise in statistical modeling, machine learning algorithms, and A/B testing. Proven track record in driving revenue growth and operational efficiency through data-driven decision-making across e-commerce, finance, and marketing sectors.

CORE COMPETENCIES

-  **Data Science & Statistics** - Predictive Modeling & Forecasting (Time Series, Regression) - Machine Learning (Scikit-learn, XGBoost, LightGBM) - Hypothesis Testing & A/B Experimentation - Data Visualization (Tableau, PowerBI, Matplotlib)
 -  **Technical Skills** - Python, SQL (Advanced), R - Big Data (Spark, Databricks, Hive) - Feature Store & Model Versioning - Natural Language Processing (Basic)
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KEY ACCOMPLISHMENTS

2024 | Retail Giant | London

Pricing Optimization Engine - Challenge: Optimize product pricing to maximize margin without sacrificing sales volume. - **Solution:** Developed a dynamic pricing model using elasticity demand modeling and competitor data. - **Impact:** - Increased gross margin by 12% (\$5M/year). - Automated pricing updates for 50k SKUs. - Reduced manual pricing effort by 90%.

2023 | FinTech | Remote

Credit Risk Scoring Model - Challenge: Improve default prediction for thin-file customers. - **Solution:** Built an XGBoost model utilizing alternative data sources (telco, utility data). - **Impact:** - Improved Gini coefficient by 15 points. - Reduced default rate by 20%. - Enabled 30% more loan approvals with same risk profile.

PROFESSIONAL EXPERIENCE HIGHLIGHTS

Senior Senior Data Scientist / AI Solutions Architect | January 2025 - Present *IBM* | London, UK

- Architecting hybrid cloud transformation using IBM Cloud and Red Hat OpenShift for Fortune 500 enterprises
- Implementing watsonx AI solutions for intelligent automation, reducing operational overhead by 35%
- Leading DevSecOps transformation with Ansible Automation Platform and Terraform IaC across multi-cloud environments
- Delivering zero-downtime Kubernetes cluster migrations for mission-critical financial and government workloads
- Building enterprise CI/CD pipelines with GitHub Actions and Jenkins serving 500+ developers globally

Senior Senior Data Scientist / Technical Lead | 2020 - 2025 *Goldman Sachs, Ypsomed, Cushman & Wakefield*

- Led senior data scientist initiatives across finance, healthcare, and real estate sectors

- Designed and implemented solutions supporting millions of daily transactions
- Established best practices and automated frameworks
- Mentored engineering teams on modern technologies and practices
- Delivered solutions achieving 300% improvement in operational efficiency

Senior Data Scientist | 2016 - 2020 *Microsoft, Emerson, Various Fortune 500*





- Built enterprise solutions for digital transformation initiatives
- Led cross-functional teams designing scalable applications
- Established frameworks and implementation strategies
- Evangelized modern technologies through technical leadership

EDUCATION

 **Bachelor of Science**

Southern New Hampshire University, USA  | 2013



CERTIFICATIONS & CONTINUOUS LEARNING

-  **Microsoft Certified Solutions Architect Expert**
-  **AWS Certified Solutions Architect Professional**
-  **Azure Solutions Architect Expert**
-  **Certified Kubernetes Administrator (CKA)**

Continuous Learning:

- Active contributor to open-source projects - Regular participant in technical communities - Following latest developments in technology - Experimenting with emerging tools and practices

SECURITY CLEARANCES

-  **UK SC (Security Check)** - Valid until 2028
-  **NATO Clearance** - Valid until 2029
- ✓ **Background Checks:** Watchdog (2024), Sterling (2019)

AVAILABILITY & CONTACT

Immediate Availability for senior data scientist roles



Schedule a Discussion: <https://calendly.com/rifaterdem/schedule>



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SUPPORTING DOCUMENTS



Technical Portfolio & Presentations:

[https://rifaterdemsahin.com/wp-](https://rifaterdemsahin.com/wp-content/uploads/2025/02/rifaterdemsahinprofilepresentation.v2025.2.pdf)

[content/uploads/2025/02/rifaterdemsahinprofilepresentation.v2025.2.pdf](https://rifaterdemsahin.com/wp-content/uploads/2025/02/rifaterdemsahinprofilepresentation.v2025.2.pdf)

References and detailed project portfolios available upon request