Fatma Kursun
Senior Data Scientist
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PROFESSIONAL SUMMARY

Innovative Senior Data Scientist with 6+ years of experience in developing and deploying machine learning models and advanced analytics solutions. Adept at providing actionable insights to enhance customer experience and drive business strategy. Skilled in **Time Series Forecasting, Predictive Maintenance, Anomaly Detection, Image Recognition, NLP, Data Visualization**, and building scalable data pipelines. Proven track record of collaborating across diverse teams to solve complex business problems.

EXPERIENCE

Senior Data Scientist
Wizata, Luxembourg
February 2022 – Present

- Led machine learning projects for anomaly detection, predictive maintenance, regression, and classification, contributing to significant business process improvements in Industry 4.0.
- Improved business forecasting accuracy by 20% with advanced time series forecasting models using deep learning techniques.
- Deployed machine learning and deep learning models, ensuring seamless integration into production environments, enhancing operational efficiency.

Senior Data Scientist
Jada Gaming AI, Spain (Remote)
August 2021 - February 2022

- Enhanced user engagement and retention through machine learning projects on game recommendation, time series forecasting, and churn prediction.
- Applied algorithms such as gradient boosting, LightGBM, XGBoost, LSTM, CNN, LightFM, and K-means to drive actionable insights from gaming data.
- Managed model deployment via Flask-rest API and reporting with Power BI, enabling data-driven decision-making for stakeholders.

Data Scientist/AI Engineer
Pagarba Solutions, USA (Remote)
January 2021 - October 2021

- Image recognition accuracy is 85% for the BrickBanker Project using TensorFlow and Keras.
- Deployed advanced models like AutoEncoder, CNN, CBIR, and Transfer Learning Models (VGG16, ResNet, EfficientNet) on AWS cloud for scalability.
- Collaborated with cross-functional teams to deliver innovative AI solutions, driving business growth.

Data Scientist
IQB Solutions, Turkey-Istanbul
March 2018 - January 2021

- Led end-to-end machine learning projects in the energy sector, focusing on data preprocessing, visualization, analysis, modeling, and deployment.
- Successfully predicted 6-hour power generation for 29 wind turbines using advanced time series forecasting and regression models, accuracy of the prediction is 89 %.
- Developed expertise in machine learning techniques and best practices, delivering data-driven problem-solving solutions.

EDUCATION

Master's in Statistics
Yıldız Technical University, Istanbul *2020-2022*

Bachelor's in Statistics
Ege University, Izmir *2011-2017*

TECHNICAL SKILLS

- **Programming & Tools:** Python, SQL, R, GitHub, Jira, PowerBI, Tableau
- **Machine Learning & Deep Learning:** Scikit-Learn,TensorFlow, Keras, LightGBM, XGBoost, LSTM, CNN, AutoEncoder
- **Data Visualization & Analytics:** Tableau, PowerBI, AWS, Flask-rest API, Azure

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References

Albert Comellas – Lead Data Scientist – Wizata - +34 618 74 30 26

Dario De La Puente – CTO – Wizata - +32 496 27 00 22

Abdullah Kölege – Lead Software Developer – IQB Solutions - +90 533 198 03 93