

Khojiakbar Burkhonov

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WORK EXPERIENCE

SXF building

Samarkand, Uzbekistan

Data Scientist

Sep 2022 - Aug 2023

- Implemented logistic regression and decision trees to predict customer churn, increasing retention strategy effectiveness by 15%.
- Conducted A/B testing on user behavior data, improving targeted engagement by 20%.
- Utilized Random Forest and XGBoost models to predict house pricing, achieving a 25% improvement in accuracy.
- Shared data insights with cross-functional teams, reducing decision-making turnaround by 10%.
- Created PowerBI reports to summarize trends, improving strategic clarity for stakeholders.
- *Stack:* Python, Scikit-learn, PowerBI, Jupyter Notebooks, SQL, PostgreSQL, Pandas, TensorFlow, Keras, NLP, Machine Learning, Data Visualization, Model Optimization, Predictive Analytics, A/B Testing.

Makon Mall

Samarkand, Uzbekistan

Associate Data Scientist

Mar 2021 - Sep 2022

- Built models using logistic regression and decision trees, enhancing targeted promotions and increasing sales by 18%.
- Developed demand forecasting models with Random Forest and XGBoost, reducing overstock by 22%.
- Conducted A/B testing on pricing, resulting in a 15% increase in profit margins for specific product categories.
- Analyzed customer data to drive tailored marketing strategies, improving retention by 20%.
- Designed Tableau dashboards to visualize sales trends, reducing report preparation time by 30%.
- *Stack:* Python, Scikit-learn, Tableau, SQL, Pandas, ML Algorithms, Portfolio Analysis, A/B Testing.

PROJECT EXPERIENCE

Anglia Ruskin University

Cambridge, UK

Optimizing Airline Tickets

May 2024 - Sep 2024

- Developed and compared machine learning and deep learning models (Random Forest, XGBoost, SVM, MLP) for airline ticket price prediction, improving pricing accuracy by 30%.
- Enhanced model performance through hyperparameter tuning and cross-validation, with MLP achieving top accuracy.
- Collaborated with stakeholders to provide data-driven revenue optimization strategies, resulting in a 15% increase in revenue.
- *Stack:* Python, Scikit-learn, TensorFlow, Keras, Pandas, Matplotlib, Seaborn

Anglia Ruskin University

Cambridge, UK

Diabetes Prediction Model Using KNN

Mar 2024 - Apr 2024

- Built a K-Nearest Neighbors classifier to predict diabetes, using GridSearchCV to optimize k , achieving a 15% improvement in accuracy over baseline models.
- Preprocessed data to refine features such as glucose levels, blood pressure, and BMI, enhancing model reliability.
- Successfully classified patient outcomes (diabetic vs. non-diabetic), contributing to better understanding and prediction of diabetes risk factors.
- *Stack:* Python, KNeighborsClassifier, GridSearchCV, Scikit-learn, Pandas, Matplotlib, Seaborn

LEADERSHIP EXPERIENCE

Anglia Ruskin University

Data Science Club Leader

Oct 2024 - Present

- Organized workshops on Python, machine learning, and data visualization, boosting members' technical expertise.
- Coordinated data challenges, encouraging hands-on collaboration and practical problem-solving.
- Guided members through project development, fostering confidence in data science applications.
- Increased membership by 30% through outreach and targeted events.
- Hosted events with industry experts, providing insights into advanced data science and career pathways.

TECHNICAL SKILLS

Programming Languages: Python, SQL, PostgreSQL.

Data Science & Machine Learning: Scikit-learn, TensorFlow, Keras, NLP, PySpark, Pytorch, AWS, Azure.

Data Visualization: PowerBI, Tableau, Matplotlib, Seaborn.

Analytical Skills: Predictive Analytics, Portfolio Analysis, A/B Testing, Quantitative Risk Management.

EDUCATION

Anglia Ruskin University

Cambridge, UK

MS in Computer Science

Graduation Date: Oct 2024

Tashkent Information Technology University

BS in Software Engineering

Graduation Date: Jul 2022