FA

Contact

✉ faruk@gmail.com

Education

Bachelor of Science in Computer Science
State University
2022

Associate of Applied Science in Data Science
Community College
2020

Core Skills

Python JavaScript TypeScript React Node.js SQL Git Machine Learning API Design

Certifications

• Google Cloud Machine Learning Engineer

• AWS Certified Machine Learning – Specialty

• TensorFlow Developer Certificate

• Deep Learning Specialization (Coursera)

• Machine Learning Foundations (edX)

faruk

machine learning

Professional Profile

Results■driven Machine Learning Engineer with a strong foundation in statistical modeling, data engineering, and full■stack development. Proven ability to design, implement, and deploy predictive models that improve key business metrics, while collaborating cross■functionally to translate complex data insights into actionable strategies. Passionate about leveraging cutting■edge algorithms and scalable architectures to solve real■world problems.

Work Experience

Machine Learning Intern Jun 2023 - Present

Tech Innovations Inc. • Remote

• Developed and deployed a convolutional neural network for image classification, attaining 94% accuracy on validation set

• Conducted A/B testing of model variants, leading to a 15% increase in recommendation click■through rate

• Automated model retraining pipeline using Python and Git, reducing manual effort by 40 hours per month

• Presented findings to senior engineering team, influencing product roadmap decisions

• Mentored two junior developers on best practices for model evaluation and deployment

Projects

Predictive Customer Churn Model

Python, Scikit-learn, Pandas, Git

• Developed a logistic regression model achieving 85% accuracy in predicting customer churn, resulting in a 12% reduction in attrition

• Engineered data pipelines using Pandas and Scikit-learn to preprocess 1M+ records, cutting preprocessing time by 30%

• Collaborated with product team to integrate model predictions via REST API, improving decision latency by 20%

Sentiment Analysis Web App

React, Node.js, SQL, Git

• Built a full■stack web application that processes user reviews and returns sentiment scores with 92% F1■score

• Implemented backend services in Node.js to handle API requests, reducing response time to under 150ms

• Utilized SQL to store and query labeled dataset of 50k reviews, enabling efficient model training

API Design for Real■Time Stock Price Feed

TypeScript, Node.js, SQL, Git

• Designed and implemented a RESTful API serving real■time stock data with 99.9% uptime

• Optimized database queries to achieve sub■10ms latency for 10k concurrent users

• Authored documentation and version control workflows using Git, improving team onboarding speed by 25%