

Yunus Kocaman

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EDUCATION

Brandeis University

Bachelor of Science in Computer Science

Waltham, PA

Aug. 2022 – May 2026

Coursework:

Data Structures and Algorithms, Object Oriented Programming, Fundamentals of Software Engineering, Operating Systems, Intro to Machine Learning, Intro to Computer Security, Intro to Probability and Statistics, Techniques of Calculus, Fundamentals of Natural Language Processing

EXPERIENCE

Arabic TIER Assistant

Brandeis University

June 2023 – Present

Waltham, MA

- Aided in curating comprehensive academic resources for the Brandeis Arabic program
- Built Arabic content for online textbook; video skits, word puzzles, pronunciation of words

Civic and Community Engagement

Boston Education and Counseling/Spiritual Life Leadership

Sep. 2022 – Present

Revere, MA

- Facilitated weekly meetings encompassing religious, academic, and recreational activities for local high school students.
- Designed and executed engaging programs focused on spiritual development, academic enrichment, and fostering a sense of community
- Leadership position in facilitating Muslim life in collegiate spaces; event planning, advising and budget allocating

PROJECTS

YumJunction | *JavaScript, CSS, HTML, React, Azure Services, Docker*

August 2023 – Present

- * Lead a team of students in developing a full-stack web recipe application using React
- * Experimented with different developmental and branching strategies using GitHub
- * Created a back-end server that stores recipes API and the website front-end
- * Users can add their recipes to the website
- * Deployed and maintained personal website utilizing Azure cloud services for seamless online accessibility, automated deployment, and alerting

Fraud Detection | *Python, Pandas, Numpy, Scikit-learn,*

March 2024

- * Built a machine learning model for detecting fraud bank transactions
- * Tuned the dataset using various methods; one-hot-encoding, label encoding, standardization
- * Trained multiple models using tuned data and evaluated their performance by determining the best model based on the F1 score

2FA | *Python, HTML, CSS, Mako, Flask, PyOTP, Google authenticator*

April 2024 – May 2024

- * Developed a two-factor authentication web app that implemented Google authenticator
- * Implemented user account creation and integrated Google Authenticator for enhanced security and seamless authentication.
- * Utilized PyOTP to generate one-time passwords for user verification via Google Authenticator, enhancing security and authentication processes.

TECHNICAL SKILLS

Languages: Java, Python, C, JavaScript, HTML/CSS

Frameworks: React, Node.js, Flask, JUnit,

Developer Tools: Git, Docker, Azure Services, VS Code, Eclipse, Flask, Kali Linux

Libraries: pandas, NumPy, Matplotlib, Scikit-learn

Other: Microsoft Excel, Microsoft Word, Google Sheets