Sadik **Yamin**

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Portfolio Website: https://sadikyamin.netlify.app/

EDUCATION

Truman State University, Kirksville MO
AUGUST2022-CURRENT

- Current junior studying BS in computer science
- 3.71 G.P.A.
- Anticipated graduation date : May 2026

SKILLS

- **Programming Languages**: Python, C/C++, Java, Javascript, HTML, CSS
- **Machine Learning Libraries**: PyTorch, Scikit-learn
- **Data Analysis and Visualization Tools**: Pandas, Numpy, Matplotlib, RStudio
- **Web Development Frameworks:** React, Django
- **Soft Skills**: Team Player, Bias for Action, Lifelong Learner, Deliver Results, Public Speaking
- **Problem Solving**: Solved 100 data structure and algorithm problems on LeetCode

Work Experience

1. **Vice President of Alumni Relations**

Bulldog Student Investment Fund, **Truman State University, Kirksville MO** (April 2024 - Current)

- Coordinated communication between 50+ fund members and 200+ alumni, fostering relationships that contributed to a 15% increase in fund growth.
- Organized 10+ events, leading to increased alumni engagement and securing $50,000 in donations.
- Leveraged alumni insights for strategic decision-making, resulting in a 10% increase in investment returns.

2. **Mathematics Tutor**

Mathematics Department, Truman State University, Kirksville MO (Sep 2023 - Current)

- Conducted 100+ one-on-one tutoring sessions, resulting in a 20% average improvement in student grades.
- Created personalized learning plans for 30+ students, enhancing their academic performance.
- Communicated complex mathematical concepts, leading to a 90% pass rate among students.

Projects

1. **Eco-Watch (https://ecowatch.netlify.app/)**

Tools: React, Django, Auth0
Developed a website to showcase the Eco-Watch project, which includes a demo of the service for detecting illegal dumping and litter from an aerial view.
The website provides a comprehensive overview of the project, including the project roadmap and a demo of the service.
Integrated a web app for the demo service which lets the user upload image or video and it detects litter or dumplings instantly.
Focused on providing an accessible and informative platform for users to understand and interact with the Eco-Watch initiative.

2. **Illegal Dumping and litter Detection (https://github.com/yaminsadik/ecowatch-yolov8)**

Built a custom object detection model using PyTorch and YOLO v8 for detecting illegal dumping from aerial views. Gathered data with a DJI Mini 4 Pro drone, planned automated flights, and trained the model.

3. **Live object detection webapp (https://ecowatch.streamlit.app/)**

Developed a webapp using Python and Streamlit to detect object from images and videos live using any custom pytorch model.

Relevant Coursework

Data Structures and Algorithms, OOP and Design, Computing Structure, Model of Computation, Calculus 1 & 2, Linear Algebra, Statistics, Machine Learning Specialization, Public Speaking, Database Systems, Computer Architecture and Org, Internet Programming.

Awards

International President's Honorary Scholarship, Academic Honor Roll, Won 3 hackathons, including business pitches.

AREAS OF INTEREST

Software Engineering, Artificial Intelligence and Machine Learning, Data Science, Data Analytics, Web Development, Cybersecurity.