

# Mahdi Ashrafee

US Citizen | mail@ashrafee.dev | linkedin.com/in/mahdi-ash | +1 (716) 907-2722

## EDUCATION

---

**University at Buffalo, School of Engineering**  
Bachelor of Science in Computer Science

**Expected May 2027**

- **GPA:** 3.63/4.00
- **Relevant Coursework:** Data Structures and Algorithms, Object-Oriented Programming, Systems Programming, Modern Network Concepts, Web Applications, Software Engineering, Artificial Intelligence

## PROJECTS

---

**ScamShield API**

**Jan 2023 – Present**

*Python, AWS Lambda, API Gateway, Whisper, Serverless*

- Built a **serverless API** that analyzes call audio with Whisper and detection heuristics to identify scam calls.
- Processed audio in real time with **AWS Lambda** and **API Gateway**, achieving over **90%** detection accuracy.
- Designed a scalable, cost-efficient pipeline using on-demand compute and **S3** storage for audio logs.

**RoboRush**

**Sep 2024 – Nov 2025**

*React, Python, WebSockets, TCP*

- Built a web-based ordering and dispatch platform for food orders and autonomous campus deliveries.
- Created a **React** interface with real-time **WebSocket** updates for order tracking and delivery scheduling.
- Implemented **TCP** communication between the platform and robot system for dispatch and live status updates.

## EXPERIENCE

---

**Founder & Developer - SFlow (Social Media)**

**Sep 2022 – Dec 2024**

*Next.js, Go, AWS, Docker, CloudFront, RDS, MySQL*

- Built a **full-stack social media platform** and managed development from architecture to deployment.
- Deployed scalable AWS infrastructure using **ECS/Fargate**, RDS, CloudFront, and Docker.
- Implemented **JWT** auth, rate limiting, and **AWS WAF** to protect against abuse and malicious traffic.

## ACTIVITIES & LEADERSHIP

---

**UB Hacking**

**Nov 2024 & Nov 2025**

Buffalo, NY

- Led a team to build a Python weather web app using the OpenWeather API during the hackathon (2024).
- Led a team to build a line-following delivery robot with Arduino control and REST API backend (2025).

## SKILLS

---

**Languages:** TypeScript, Python, Go, C++

**Frameworks/Tools:** React, Next.js, Docker, Git, Linux, WebSockets

**Cloud/Backend:** AWS Lambda, API Gateway, ECS/Fargate, CloudFront, RDS, CI/CD

**Databases:** MySQL, DynamoDB, MongoDB