Sakib Khan

Work Rights: US Citizen | (718) 314-9983| sakibhkhan11@gmail.com| github.com/SakibKhan1| linkedin.com/in/sakibkhan11

Education

University at Buffalo   **Graduation Date:** January 2025
Major: B.S. Computer Science   **GPA**: 3.4 / 4.0
Coursework: Data Structures & Algorithms, Software Engineering, and Object-Oriented Programming
Awards: Dean's List (3x) and Cum Laude Latin Honors

Technical Skills

Core Backend: Flask, Node.js, Java, Spring Boot, C#, Python, SQL, REST APIs, MongoDB, Express.js
Frontend: React, SwiftUI, HTML, CSS
Infrastructure & Tools: Git, GitHub Actions (CI/CD), Kubernetes (EKS/AKS), OpenAI API, Bash, SHA256 Caching, Matplotlib, Terraform, Pandas, NumPy

Work Experience

- **Tech Fellow,** CodePath - San Francisco, CA   *June 2023 - August 2023*
  - Led interactive sessions for 150+ students focused on Python programming language, adapting teaching methodologies to cater to diverse learning styles
  - Facilitated dynamic breakout sessions for collaborative programming assignments in data structures and algorithms, enhancing teamwork, and increasing student engagement by 25% through peer-driven learning
  - Delivered personalized coaching by simulating programming interviews, equipping students with real-world problem-solving skills through targeted questioning techniques

- **Software Engineer Intern (Backend-Focused),** Persado - New York City, NY   *June 2022 - August 2022*
  - Developed and maintained scalable Java microservices powering NLP-based marketing automation, integrating internal web tools and client-facing REST APIs
  - Designed and documented RESTful APIs to dynamically deliver personalized content to enterprise dashboards
  - Streamlined CI/CD workflows with GitHub Actions, reducing build and deployment times by ~30% and improving release efficiency
  - Contributed to Agile sprints and Git-based code reviews, ensuring smooth integration of backend modules across teams
  - Collaborated with backend and infrastructure teams to ensure microservice reliability, performance, and secure deployment using containerization and Kubernetes-based orchestration

Projects

- **PDF AI Study Generator**   github.com/SakibKhan1/pdf-ai-study-generator
  - Engineered backend with Flask, SHA256 caching, and OpenAI API integration to parse PDFs into AI-generated study materials, optimizing scalability for concurrent users
  - Implemented API logic, caching fallback, and backend deployment workflows using best practices for performance and reliability
- **Reddit Sentiment Analyzer (Backend NLP Tool)**   github.com/SakibKhan1/reddit-sentiment-tracker
  - Built a Python Flask backend to extract r/nba data via Reddit API and perform NLP-based sentiment analysis using keyword scoring and visualized insights via Matplotlib
  - Applied rule-based text classification, Jinja templating, and custom logic for real-time scoring of social media content
- **LeetCode Organizer (iOS Mobile App)**   github.com/SakibKhan1/leetcode-organizer-ios-app
  - Designed local data architecture using FileManager and @AppStorage to persist user solutions, progress history, and structured problem metadata
  - Engineered modular backend logic for multi-solution storage and deployed the app to the App Store showcasing complete product delivery