

Sakib Khan

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

Education

University at Buffalo

Graduation Date: May 2025

Major: B.S. Computer Science, Cum Laude

Awards: Dean's List (3x)

Coursework: Data Structures & Algorithms, Software Engineering, and Object-Oriented Programming

Technical Skills

Languages / Frameworks: Python, Java, Spring Boot, C#, JavaScript, SQL, HTML, CSS, Flask, Node.js, Express.js, React, SwiftUI

Tools & Platforms: Git, GitHub Actions (CI/CD), Docker, Kubernetes (EKS/AKS), Bash, OpenAI API

Databases & Data Tools: MongoDB, PostgreSQL, NumPy, Pandas, Matplotlib, SHA256 (Hashing)

Work Experience

- **Software Engineer Intern (Backend-Focused)**, Persado - New York City, NY *June 2022 - August 2022*
 - Contributed to Java Spring Boot microservices powering NLP-based marketing automation, implementing new features and fixes that integrated with internal web tools and REST APIs
 - Assisted in designing and documenting RESTful API endpoints within the Spring Boot framework to deliver personalized content to enterprise dashboards
 - Updated GitHub Actions CI/CD workflows to improve build reliability and slightly reduce deployment times by about 20%
 - Participated in Agile sprints, collaborating on Git-based code reviews to ensure smooth integration of backend modules
 - Worked with backend and infrastructure engineers to test microservice reliability, performance, and secure deployments on Kubernetes-based environments
- **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

Projects

- **PDF AI Study Generator** github.com/SakibKhan1/pdf-ai-study-generator
 - Engineered backend with Python Flask, SHA256 caching, and OpenAI API integration to parse PDFs into AI-generated study materials, optimizing scalability for concurrent users
 - Developed responsive React frontend with drag-and-drop PDF upload and dynamic AI-generated content display, deployed seamlessly via Vercel with CORS-enabled API integration
 - Implemented API logic, caching fallback, and backend deployment workflows using best practices for performance and reliability
- **LeetCode Organizer (iOS Mobile App)** github.com/SakibKhan1/leetcode-organizer-ios-app
 - Built using Swift and SwiftUI; 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
- **LinkNest - Smart Bookmark Manager** github.com/SakibKhan1/linknest-bookmark-extension
 - Built a Chrome extension using React, JavaScript, Vite, and Chrome Extensions API to enable client-side bookmark tagging, searching, filtering, and editing with real-time updates
 - Published to the Chrome Web Store, utilizing chrome.storage.local for persistent tag syncing and implementing auto-scroll/highlight effects on new entries for enhanced UX