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:** May 2025
Major: B.S. Computer Science, Cum Laude Honors   **Awards**: Dean's List (3x)

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,*** Persado - New York City, NY   *June 2022 - August 2022*
  o   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
  o   Assisted in designing and documenting RESTful API endpoints within the Spring Boot framework to deliver personalized content to enterprise dashboards
  o   Updated GitHub Actions CI/CD workflows to improve build reliability and slightly reduce deployment times by about 20%
  o   Participated in Agile sprints, collaborating on Git-based code reviews to ensure smooth integration of backend modules
  o   Worked with backend and infrastructure engineers to test microservice reliability, performance, and secure deployments on Kubernetes-based environments

- ***Software Engineering Fellow,*** CodePath - San Francisco, CA   *June 2023 - August 2023*
  o   Led interactive Python programming sessions for 150+ students, applying data structures, algorithms, and debugging best practices to real-world coding challenges.
  o   Facilitated collaborative programming in breakout groups, increasing student engagement by 25% through peer-driven problem solving and group session teamwork.
  o   Conducted mock technical interviews, coaching students on algorithmic thinking, time/space complexity trade-offs, and whiteboard coding under time constraints.

Projects

- ***PDF AI Study Generator***   github.com/SakibKhan1/pdf-ai-study-generator
  o   Engineered backend with Python Flask, SHA256 caching, and OpenAI API integration to parse PDFs into AI-generated study materials, optimizing scalability for concurrent users
  o   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
  o   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
  o   Built using Swift and SwiftUI; designed local data architecture using FileManager and @AppStorage to persist user solutions, progress history, and structured problem metadata
  o   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
  o   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
  o   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