Sakib Khan

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Professional Summary

Computer Science graduate with hands-on experience in cloud-native and full-stack development. Seeking software engineering roles to build real-world applications with clean and maintainable code.

Education

University at Buffalo   **Bachelor of Science in Computer Science**
Awards: Dean's List (3 semesters), Cum Laude Latin Honors   **Graduation Date**: January 2025

Technical Skills

Languages: Python, JavaScript, Swift, SQL, Java, C++, HTML, CSS
Frameworks / Technologies: Git, React, Tailwind CSS, CI/CD (GitHub Actions), Vite, Flask, Node.js, MongoDB, Matplotlib, Chrome Extensions API, REST APIs, AWS, Kubernetes (EKS, AKS), Azure

Work Experience

- ***Tech Fellow***   ***CodePath***   *June 2023 - August 2023*
  - Helped lead interactive sessions 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 30% 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***   ***Persado***   *June 2022 - August 2022*
  - Implemented Kubernetes in EKS (Amazon Elastic Kubernetes Service) and AKS (Azure Kubernetes Service) to manage the scaling, deployment, and maintenance of applications
  - Developed cloud-native Java microservices within an Agile team, following Git-based workflows and code reviews
  - Configured CI/CD pipelines using GitHub Actions to automate deployments to EKS clusters, reducing manual overhead
  - Designed interactive wireframes in Figma to bridge engineering solutions with evolving product requirements

Projects

- ***PDF AI Study Generator*** · github.com/SakibKhan1/pdf-ai-study-generator
  - Developed a full-stack AI study assistant web app using React, Flask, and GPT-3.5 to parse and transform PDF content into structured summaries, flashcards, and quizzes
  - Engineered caching with SHA256 hashing, JSON parsing fallback logic, and fine-tuned OpenAI prompts to optimize performance and minimize redundant API calls
- ***LeetCode Organizer*** · github.com/SakibKhan1/leetcode-organizer-ios-app
  - Built a SwiftUI iOS app with MVVM architecture, using @AppStorage and FileManager for persistent storage of structured problem data and user progress
  - Published to the App Store with multi-solution storage, dynamic topic filtering, and streak-based progress tracking across 18 LeetCode categories (inspired by the NeetCode.io roadmap)
- ***LinkNest - Smart Bookmark Manager*** · github.com/SakibKhan1/linknest-bookmark-chrome-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