

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

Awards: Dean's List (3 semesters), Cum Laude Latin Honors

Bachelor of Science in Computer Science

Graduation Date: December 2024

Technical Skills

Languages: Python, JavaScript, Swift, SQL, Java, C++, HTML, CSS

Frameworks / Technologies: Git, React, Tailwind CSS, 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*
 - o Helped lead interactive sessions focused on Python programming language, adapting teaching methodologies to cater to diverse learning styles.
 - o 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.
 - o 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*
 - o Implemented Kubernetes in EKS (Amazon Elastic Kubernetes Service) and AKS (Azure Kubernetes Service) to manage the scaling, deployment, and maintenance of applications.
 - o Developed cloud-native Java microservices within an Agile team, following Git-based workflows and code reviews.
 - o Configured CI/CD pipelines using GitHub Actions to automate deployments to EKS clusters, reducing manual overhead.
 - o Designed interactive wireframes in Figma to bridge engineering solutions with evolving product requirements.

Projects

- **LinkNest - Smart Bookmark Manager (Chrome Extension)**
 - o Built a Chrome extension using React, Vite, and Chrome Extensions API to enable client-side bookmark tagging, searching, filtering, and editing with real-time updates
 - o Utilized chrome.storage.local for persistent tag syncing and implemented auto-scroll/highlight effects on new entries for enhanced UX
- **LeetCode Organizer (iOS App)**
 - o Built a SwiftUI iOS app with MVVM architecture, using @AppStorage and FileManager for persistent storage of structured problem data and user progress
 - o Implemented multi-solution storage, dynamic topic filtering, and streak-based progress tracking across 18 LeetCode categories (based on the NeetCode.io roadmap)
- **Reddit Keyword Sentiment Tracker (Web App)**
 - o Developed a Flask web app using PRAW to extract Reddit post comments, applying custom keyword-matching logic to classify sentiment with NLP-inspired word lists
 - o Visualized sentiment results with Matplotlib and embedded charts into Jinja templates via base64 encoding for seamless server-side rendering