Sakib Khan

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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 Machine Learning
Awards: Dean's List (3x) and Cum Laude Latin Honors

Technical Skills

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

Work Experience

- ***Tech Fellow,*** CodePath - San Francisco, California   *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 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 - New York City, New York   *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
  - Accelerated development cycles by streamlining CI/CD workflows, reducing build and deployment times by ~30%, and enabling the team to release updates more efficiently within Agile sprints

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-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