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 Object-Oriented Programming
Awards: Dean's List (3x) and Cum Laude Latin Honors

Technical Skills

Frontend: React, Tailwind CSS, Vite, SwiftUI, HTML, CSS, Figma, Chrome Extensions API
Backend: Flask, Node.js, Java, Python, SQL, REST APIs, MongoDB, Express.js
Developer Tools: Git, GitHub Actions (CI/CD), OpenAI API, Bash, NumPy, Pandas, Matplotlib

Work Experience

- ***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

- ***Software Engineer Intern (Full-Stack Focus),*** Persado - New York City, NY   *June 2022 - August 2022*
  - Developed and maintained Java microservices supporting NLP-driven marketing products, integrating backend logic with internal web tools and client-facing APIs
  - Collaborated with product and design teams to align backend functionality with evolving frontend and UI requirements
  - Designed and documented RESTful APIs to deliver personalized marketing content dynamically to web-based client dashboards
  - 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
  - Contributed to Agile sprint planning and Git-based code reviews to ensure smooth backend integration across teams

Projects

- ***AI-Powered Full-Stack Study Tool***   github.com/SakibKhan1/pdf-ai-study-generator
  - Developed a full-stack AI study assistant using React, Flask, and GPT-3.5 to convert PDF content into structured summaries, flashcards, and quizzes
  - Implemented SHA256 caching, optimized OpenAI API usage, and configured backend deployment for scalable performance across multiple users
  - Built React components to display AI-generated content with real-time updates from Flask backend
- ***NBA Reddit Sentiment Analyzer (Full-Stack)***   github.com/SakibKhan1/reddit-sentiment-tracker
  - Built a Flask web app to analyze NBA Reddit sentiment using custom keyword scoring and visualize results via dynamic graphs
  - Integrated Reddit API for real-time data extraction, applied NLP logic, and rendered insights using Jinja templates and matplotlib
- ***LeetCode Organizer (iOS Mobile App)***   github.com/SakibKhan1/leetcode-organizer-ios-app
  - Built a full-stack SwiftUI iOS app using MVVM architecture, featuring interactive UI and persistent data storage via @AppStorage and FileManager to manage 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)