

Karan Bhagat

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Education

Texas A&M University

Expected May 2026

Bachelor of Science in Computer Science, Minor in Business (GPA: 3.94 / 4.00)

College Station, TX

- **Relevant Coursework:** Programming Design and Concepts (C++), Discrete Mathematics, Data Structures and Algorithms, Linear Algebra with Applications, Computer Architecture, Programming Languages

Experience

Software Engineering Intern

May 2024 – July 2024

Cuvasol Technologies

Dallas, TX

- Developed an application using Flask and Flutter to allow clients to upload resumes to be screened for mock interviews.
- Designed a React and MySQL-based upload button to streamline document submission and processing.
- Extracted relevant skills and experience using LLMs, and generated technical interview questions with Retrieval-Augmented Generation (RAG) based on job descriptions.
- Enhanced AI interview capabilities by integrating advanced data extraction and question generation techniques.

Web Developer

August 2022 – July 2023

Paramount Technologies LLC

Dallas, TX

- Developed and styled company website using HTML, CSS, and JavaScript, featuring smooth scrolling functionality: <https://www.paramounttechllc.com/>.
- Implemented a user-friendly contact form with CSS styling and integrated email confirmation mechanism using PHP.
- Designed a distinctive logo and favicon for brand identity, ensuring seamless recognition across web browsers.

Administrative Intern

August 2020 – May 2022

JCA Freedom Home Investors

Dallas, TX

- Proficiently analyzed datasets for prospective client information through sorting and What-If? analysis in Excel.
- Organized property information, deeds, and land ownership details using Dropbox, indicating experience with cloud storage platforms and document management.

Projects

YouTube | Full stack web app

- Collaborated on the development of a short-form music streaming platform built using Electron, React JS, and Django: <https://github.com/kbhagat04/YouTube>
- Developed Django REST API for user registration, token authentication, and CRUD operations on playlists/songs
- Tested APIs by leveraging Postman and hosted them on Azure as an app service with PostgreSQL database
- Reduced average response time for first search by 80% using lazy loading and boosted daily search capacity by 5x through a reduction in YouTube API calls per search

City Shaper | IOS Application

- Developed a user-friendly scoresheet for the First Lego League Robotics competition using the SwiftUI framework
- Successfully published app to Apple app store, garnering over 2000 downloads: <https://github.com/kbhagat04/FLL2019CityShaper>

Activities

Operations and Assessment Director | Aggies & Mentors, Texas A&M University

- Oversaw and managed Chronus software system that is used to match mentors and mentees within the organization.
- Developed and implemented a new assessment system that is used to evaluate the effectiveness of the organization's programs, improving matching by 13.5%
- Worked closely with Aggie Mentoring Network software and associated Full-Time Staff support.

Technical Skills

Languages: C++, Python, JavaScript, HTML, CSS, Scheme, R, LaTeX, Swift, Java

Technologies: React.js, Electron, Django, JavaFX, Git, GitHub, MS Office, Adobe Suite, Google Cloud/Drive

Honors: Craig and Galen Brown Engineering Honors, Deans List, President's Endowed Scholarship, IB Diploma, National Merit Finalist