Kshitij Kulshrestha

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EDUCATION

University of Texas at Dallas — May 2025
Bachelor of Science in Computer Science
Relevant Coursework: Data structures and Algorithmic Analysis, Software Engineering, Systems Programming in Unix, Programming Language Paradigms, Computer Science 1 and 2, Computer Architecture, Discrete Math 1 and 2

SKILLS

Programming Languages: Python, Java, C++, JavaScript, HTML, Assembly, CSS
Technologies: Git, MongoDB, Tailwind CSS, Next JS, React, Flask, Figma

EXPERIENCE

Cognizant USA, *Digital Leadership Academy* — May 2023
- Engaged in a **highly selective (1 of 400)** immersive experience, fostering connections with college students nationwide
- Actively participated in networking sessions, collaborating with peers from diverse backgrounds and regions of the world
- Interacted with Cognizant professionals, gaining valuable insights into their career journeys and industry experiences

User Experience Club(UX Club), *Student Engagement Officer* — Sep 2023 – Present
- Managing the club's mailing list, sending out event reminders and facilitating communication with members
- Developing and maintaining RSVP, sign-in, and feedback forms for events, **optimizing event organization and feedback collection**
- Organizing officer bonding events **strengthening team cohesion and collaboration** within the club's leadership

Society of Asian Scientists and Engineers, *Professional Committee Officer* — Jul 2023 – Present
- Collaborating with committee members to plan and **execute events, workshops, and initiatives** aimed at advancing professional development of members
- Acting as the main point of contact between the organization and its corporate partners, **ensuring effective communication and collaboration**
- Providing regular reports on the status of corporate partnerships, including financial contributions and the impact of partnerships on the organization

Development and Alumni Relations, *Engagement Representative* — Sep 2022 – Jan 2023
- Utilized excellent interpersonal skills to **build and maintain strong relationships** with college alumni
- Maintained detailed records of interactions and outcomes to track the effectiveness of engagement efforts
- Successfully **raised $4k** in funds to support scholarships and essential resources for UT Dallas students, contributing to academic success and well being

PROJECTS

Policy Pioneer, *Full Stack Developer* — Fall 2023
- Designed and implemented a **custom algorithm** to generate rough estimations of insurance quotes
- Deployed and **tested** project prototype using ngrok
- Utilized the Flask framework and Python programming to build the back-end infrastructure, displaying **full-stack development expertise**.
- Developed the project's front-end using HTML, CSS, and JavaScript, showcasing **proficiency in web development and design**.

Streaks, *Full Stack Developer* — Summer 2023
- Integrated Flask, HTML, CSS, and JavaScript to build a **responsive** interactive web application
- Designed and developed the **streak tracking feature** to encourage daily task completion and foster user engagement
- Implemented **secure** user authentication with **bcrypt encryption**, ensuring data security
- Utilized **MongoDB** for data storage, enabling efficient retrieval and management of user information and posts

NurseNav Progressive Web App, *Front-End Developer* — Spring 2023
- Developed a **cross-platform** web app with Python, Flask, HTML, JavaScript, and CSS, connecting individuals with specialized medical needs to **accessible** caregivers
- Customized the **user experience** (UX) based on users' needs taking into account **color psychology, color contrast, and color blindness** considerations with rigorous feedback and testing
- Utilized a **manifest file** and a service worker to offload data and keep important functionalities

Airplane Reward System Interface, *Developer* — Fall 2022
- Implemented a **Java-based interface** for an Airplane Rewards System
- Calculated reward tier miles **accurately** based on passenger ID and missed flights
- Utilized **object-oriented programming principles** improving code modularity and maintainability
- Incorporated **error handling** to enhance user experience and data reliability