

SEHEJ KUMAR

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SUMMARY

Highly motivated, self-driven student with strong analytical and research skills. Team player who demonstrates strong work ethic, interpersonal skills and creative ability. Looking to utilize technical skills and strong educational background in a stimulating environment to gain relevant work experience.

SKILLS

Languages: Java, HTML, Python, JavaScript, CSS, C++, C, XML.

Technologies: Visual Studio Code, Google Firebase, Android Studio, Google Colab, Jupyter Notebook.

PROJECTS

Mobile Application	TrashScan Developed an Android application using Java and XML allowing users to view nearby locations needing trash cleanup to contribute to a cleaner environment. https://github.com/sehejkumar/TrashScan
Mobile Application	MediTrack Developed an android application using Java, Android Studio, and Google Firebase that allows users to manage their health. https://github.com/sehejkumar/MediTrack

EXPERIENCE

Undergraduate Researcher	UNT AI/CS Summer Research Program 5/2023 – 7/2023 <ul style="list-style-type: none">Conducted research under Dr. Ting Xiao and Dr. Mark Albert to create a comprehensive dataset for next-day wildfire spread prediction.Managed a team of four TAMS students to produce various poster drafts and presentations of the project to UNT PhD and Masters students. Skills: Python, Google Colab, Jupyter Notebook
Undergraduate Researcher	UNT Research Innovation in Software Engineering (RISE) laboratory, 9/2023 – Present <ul style="list-style-type: none">Conducting research under the guidance of Dr. Stephanie Ludi to assist visually impaired developers with software development.Developed a published Visual Studio Code extension, AudioQ, that works with a screen reader to read the current line number of the development window.Produced various posters and presented at science fairs such as TAMS school fair and the Fort Worth Regional Science and Engineering Fair (FWRSEF). Skills: Visual Studio Code, TypeScript, JavaScript
Research Intern	University of Texas at Dallas Summer Research Internship 6/2022 – 8/2022 <ul style="list-style-type: none">Designed a mobile app, AllEd, under the mentorship of a university professor, Professor John Cole.Developed applications in Java and XML using the Android Studio platform and created a fully functioning android application that allows people to access educational resources. Skills: Java, Android Studio, Google Colab, XML

EDUCATION

8/2024 – 8/2026	University of Texas at Austin Undergraduate Bachelors of Science in Computer Science
7/2022 – Present	Texas Academy of Mathematics and Science 11th,12th Senior, Computer Science to Computer Engineering Pathway

AWARDS

1st Place and Grand Finals Qualifier - 2023 ASSETS Undergraduate Student Research Competition
2nd Place and Certificate of Congressional Recognition - 2022 Congressional App Challenge