HARDIK SINGH

hardiksingh.com • linkedin.com/in/hardiksingh-hs/ • hardik.hs.singh@gmail.com
120 Spring Ridge Dr. • Dallas, TX 79094 • (972) 330-1278

EDUCATION

University of Texas at Austin, Austin, TX   May 2026
Bachelor of Science, Computer Science
- Relevant Coursework: Data Structures and Algorithms, Discrete Math, Linear Algebra, Multivariable Calculus and Differential Equations, Intro to Computer Science, Intro to Accounting

EXPERIENCE

Crestron – *Software Development/Quality Engineering Intern;* Plano, TX   June 2022 – August 2022
An Intelligent and innovative Audio-Visual Company
- Programmed an automation framework using Python to improve Crestron Device testing speeds by up to 400%
- Created an Object Detection program to check accuracy of tests with 95% accuracy
- Presented product proposals to the Chief Operating Officer and the Sr. VP of Engineering of the company
- Skills: Python, TensorFlow, OpenCV, NumPy, MATLAB, pandas, cipclient API

Infiniwell – *Software Development Intern;* Trondheim, Norway (Remote)   June 2021 – August 2021
A SaaS company focused on providing healthcare to patients at home.
- Developed the brand-new patient-facing app called Sentio for Infiniwell via Swift with messaging and healthcare tracking
- Interlinked the old nurse-facing app and new-patient facing app and pushed both to App Store
- Debugged and fixed errors within Sentioweb and the patient facing app via React and React native
- Skills: Java, Swift, React Native, JavaScript, Microsoft Azure, Apache Kafka

ACADEMIC/CS PROJECTS

SecurEd - (Founder of an app that protects schools during crises)   May 2022 – February 2023
- Developed a computer-based framework to streamline communication during potential school crises
- Embedded tracking features for threats, messaging systems between staff, and communication with law enforcement
- Presented the proof of concept to school administration and entered early stages of implementation
- Skills: Amazon Web Services, Python, HTML, CSS, JavaScript, React JS

ChaoticAI - (An online transaction service encrypted by facial/voice recognition   June 2021 – March 2022
- Engineered a secure transaction system that used the model to verify purchases in an online setting
- Integrated chaos theory concepts into a machine learning model through stochastic differential equations
- Trained the machine learning model on facial and audio data with 90% accuracy for both streams of data
- Skills: Python, ReactJS, HTML, CSS, JavaScript, TensorFlow, Matplotlib, Pandas, NumPy, OpenCV

SOAR – *Peer to Peer Tutoring platform with 1500+ Students*   May 2021 – August 2021
- Designed and programmed the website for SOAR and increased usage of app by students by 100x
- Merged old login system with google system, added calling and upload features for both tutors and students
- Skills: React JS, Firebase, HTML, CSS

Library Ecommerce App   July 2022 – August 2022
- Developed a fully functional ecommerce site that allows users to select books and add them to cart to checkout
- Skills: React JS, Firebase, HTML, CSS

Justice Coin - (A nonprofit organization that crowdsources crypto mining)   June 2020 – September 2020
- Programmed blockchain functionality and the website; won Roundpier and Youth Entrepreneurship Competition
- Skills: Python, React, Heroku, HTML, CSS

Personal Website   Summer 2022
- Developed and designed a personal website to display Computer Science skills and assets, work experience and projects
- Skills: HTML, CSS, JavaScript

SKILLS

- **Programming Languages:** Proficient in Python, Java, JavaScript, HTML, CSS, Basic understanding of C++, Kotlin
- **Tools:** TensorFlow/Keras, Scikit-learn, Pytorch, XCode, React, Jupyter, Firebase, Git, PyQt5, Node,
- **Languages:** Hindi (Fluent), Spanish (4 years – classroom) | **Work Eligibility:** Eligible to work in the U.S with no restrictions