HARDIK SINGH

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EDUCATION

University of Texas at Austin, Austin, TX   May 2026
Bachelor of Science, Computer Science
- Relevant Coursework: Data Structures and Algorithms, Computer Systems and Architecture, Discrete Math

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

Connect - *Founder of an app that connects patrons with local businesses*
- Architected a business editing system enabling businesses to showcase vital information and real-time updates seamlessly
- Implemented Advanced Search Filters for tailored business searches and crafted a verification-based review system
- Engineered a rating-based recommendation system using a Firebase backend
- Skills: HTML, CSS, JavaScript, React Native, Firebase, Expo

CargoStorage – *A full-stack web application that allows truck drivers to monetize open cargo space efficiently*
- Created a full-stack matching frontend for seamless trucker-customer connections, boosting logistics efficiency.
- Innovated an object detection system for measuring and mapping of boxes into a 3D visualization
- Spearheaded the optimization of box locations, significantly improving cargo space utilization
- Skills: React, HTML, CSS , Javascript, Python, Tensorflow, Flask, Plotly

SecurEd - *Founder of an app that protects schools during crises*
- 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*
- 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

Personal Website
- 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, AWS, Docker
- **Languages:** Hindi (Fluent), Spanish (4 years – classroom) | **Work Eligibility:** Eligible to work in the U.S with no restrictions