

HARDIK SINGH

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SKILLS

Languages: Proficient in Python, Java, JavaScript. Basic understanding of C++.

Computer Skills: Word, PowerPoint, Canva

EXPERIENCE

Infiniwell – *Software Development Intern*; Plano, TX

June 2021 – August 2021

A SaaS company focused on providing healthcare to patients at home.

- Developed the brand-new patient-facing app for Sentio for Infiniwell via Swift, and encoded messaging and healthcare tracking functions (JavaScript).
- Debugging and fixing errors within Sentioweb and the patient facing app via React and React native and preserved the connection between the backend and the frontend.
- Implemented basic testing functions and visual support for communication between Sentioweb and the patient.

ACADEMIC PROJECTS

Security School

December 2021

- Developed a computer-based framework that allows teachers and principals to work together to monitor the safety of students during potential school crises.
- Assists administration with possible environmental issues, such as fire or tornadoes, and with in-school and out of school threats, such as lockouts and lockdowns.

Chaos Theory Embedded Machine Learning

October 2021

- Integrated chaos theory concepts into a machine learning model through changing the gradient descent loss function to a stochastic differential equation.
- Applications extend to all traditional machine learning applications, specifically the finance field, including applications in predicting stock market crashes and success of individual stocks (Python).

LEADERSHIP EXPERIENCE AND ACTIVITIES

SEVA - *President*

Fall 2021 - Present

- Active student-led organization that focuses on raising money for Akshaya Patra, an organization that focuses on feeding children in poverty in India.
- Lead monthly meetings and setup active fundraisers involving students and promoting Indian culture within the school and
- Manage a team of officers and help with budgeting and tracking financials.

Awareness Podcast - *Director*

Fall 2021 - Spring 2022

- Created a brand-new podcast that focuses on highlighting societal issues through mature conversations with the people of the world who deserve recognition.
- Interviewed multiple highschoolers and students across all of America and the world and uploaded the episodes to multiple platforms.

HONORS

• Presidential Award for Outstanding Volunteer Service

May 2019

• Presidential Award for Outstanding Academic Excellence

May 2019

EDUCATION

Plano East Senior Highschool

Relevant Coursework: Computer Science Principles, Computer Science A,
Calculus BC, Multivariable Calculus,
Certificate: Digital Arts & Media
Overall GPA: 4.61

May 2023