SHRISTI CHITLANGIA

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SKILLS

- **Languages:** Java, C++, C, Python, JavaScript, Dart, SQL
- **Tools and Frameworks**:
  - Flutter
  - React Native
  - Figma Wireframing
  - SQLite
  - Firebase
  - Drupal and WordPress Content Management System
  - OpenCV
  - Microsoft Azure Kinect
  - GitHub
  - Linux/Windows OS
- **Soft Skills:** Interpersonal Communication, Problem Solving, Strong Work Ethic, Team Work, Fluent in Spanish and Hindi

EDUCATION

THE UNIVERSITY OF TEXAS AT AUSTIN
NATURAL SCIENCES | AUSTIN, TX | 2023

- BS in Computer Science & BA in Linguistics
  - Minor: Interdisciplinary Disability Studies
- Cum GPA: 3.62 / 4.00
- Major GPA: 3.68 / 4.00
- **Relevant Courses**: Machine Learning, Computer Architecture, Data Structures, Linear Algebra, Operating Systems, Symbolic Programming

PROFESSIONAL EXPERIENCE

SOFTWARE ENGINEERING INTERN
SRIJAN TECHNOLOGIES | REMOTE | MAY - AUG 2020

- Single-handedly developed a cross-platform news app creating the foundational base work for the app dev team
- Implemented the front-end using Flutter and Dart ; Backend composed of utilizing SQLite and Bloc Chain Logic
- Worked with Drupal Content Management System to better analyze content usage and server queries

AUTONOMOUS ROBOTS JUNIOR RESEARCHER
FRESHMAN RESEARCH INITIATIVE I | AUSTIN, TX | JAN - DEC 2020

- Engaged in a Multi-Camera Calibration Research Project in which my team and I used a network of connected Azure Kinects. Closely followed Zhang's Method of Single-Camera Calibration.
- Collaborated with 2 others to conduct real-time identity tracking of people with a 58.79% accuracy using Darknet YoloV3 and Deepsort
- Had a marginal improvement rate of 10% in regards to occlusion

COMPUTER SCIENCE INSTRUCTOR
JUNI LEARNING | REMOTE | MAY 2020 - PRESENT

- Inspired elementary to high school students to learn the importance of coding and discover possible applications through integrative projects
- Taught 1-1 lessons in Java and Python 1x - 2x a week

PROJECTS

YOUGE
INDEPENDENT| DEC 2020 - PRESENT

- Developing a cross-platform app to better engage the elderly demography
- Implementing the frontend using Flutter and Dart ; Backend utilizes SQLite and MongoDB Databases.
- App features include interactive video and image tutorials, live volunteer assistance, integrated calendar and task reminder, and a messaging interface which also allows for video and voice calling

CARDIAC ARREST PREDICTION
TEXAS ENGINEERING WORLD HEALTH | OCT 2020 - PRESENT

- 1 of 6 Processing Researchers responsible for analyzing audio and ECG Heart Beat Data by denoising and producing clean data
- Developing a Predictive algorithm to predict the onset of Cardiac Arrest and Arrhythmia for patients in Developing Nations

SOCKET CLIENT SERVER NETWORKING
CLASSWORK | OPERATING SYSTEMS | OCT 2020 - DEC 2020

- Spent the semester developing an Operating Systems similar to Linux
- As part of designing a Messaging Networking Interface, implemented client and server socket functionalities mirroring network sockets

LEADERSHIP & AFFILIATION

FREETAIL HACKERS
CORPORATE DIRECTOR | JAN 2020 - PRESENT

- Leading a team of 5 to reach out to companies, network, and secure sponsorship for largest student-run hackathon in Texas : HackTX
- Secured CDK Global, Google, and Chevron as sponsors for HackTX 2020
- Coordinated SummerHacks (12 week hackathon) with over 500 participants and 50 mentors internationally