

Profile Summary

I'm a passionate programmer that always finds a solution, no matter how challenging the issue. I enjoy investigating many industries to gain general information for practical experience. Job seeker with great organizational skills who works diligently and with zeal to land entry-level jobs. ready to assist team in achieving corporate objectives. I'm looking for a chance to work and advance professionally by joining a group that prioritizes both community service and earning a competitive edge. To provide a positive user experience and gain exposure to the industry through real-world initiatives, I put a focus on developing my interpersonal skills.

Professional Skill

- IoT Hardware Knowledge: Sensors, Raspberry Pi
- Programming Languages: Python, C/C++, PHP
- Data Analytics: Python (Pandas, Matplotlib)
- Machine Learning: Implemented ML models for anomaly detection in IoT data

Interest

- Internet of Things (IoT)
- Website Development
- Application Development
- Software Development
- Robotics
- Machine Learning

Education

Master of Science in Computer Science

2023 - Present

University of Texas at Arlington

- Currently in 1st semester pursuing master's in computer science.

Bachelor of Technology in Computer Science

2019 - 2023

Charusat University

- Completed the degree with a cumulative GPA of 9.01 out of 10.

Professional Experience

Software Intern

Jan 2023 - May 2023

Hats Off Solution

- Built a hexacopter drone mounted with 3 camera system setup which provide live feed of the cameras over internet on to a secure webpage.
- The system of camera was completely designed and configured by me along with assembling and calibrating the drone.
- The company inaugurated the IoT department by having me as first IoT intern so over the period I unanimously worked on all the IoT development projects.

Research Intern

May 2022 - July 2022

Charusat University

- Gathered, arranged and corrected research data to create representative graphs and charts highlighting results for presentations.
- Verified accuracy and validity of data entered in databases to correct errors.
- Completed research, compiled data and assisted in timely reporting.
- Improved operations through consistent hard work and dedication.

Web Design and Development

April 2020 - June 2020

InfiKey Technologies Pvt. Ltd.

- Planned website development, converting mockups into usable web presence with HTML, JavaScript, AJAX and JSON coding.
- Oversaw back-end development using PHP to maintain website integrity.

Projects

AUTOSICO

- A web application to convert audio into appropriate sign language.
- <https://karanshah743.github.io/AUTOSICO/>

ORB Scan

- An android application to make and customize pdfs.

Bluetooth Controlled Robo Car

- An IoT based car developed with Arduino UNO and different microcontrollers.

Sundae Shop Stock Management System

- A java based desktop application to manage stocks of a sundae shop for a period of 24 hours.

Awards and Acknowledgment

- Awarded 2nd and 3rd prize at a district and national level event under the category of Physiotherapy and Technology respectively for the product **DIA-OCKS**.
- We have a patent register on this product name DIA-OCKS that we develop on our own. Its a blend of healthcare and technology where we have made a sock mounted with pressure sensors to detect foot pressure and represent that on to a live graph for better analyzing the result.