LinkedIn: linkedin.com/in/sanjithchockan
Github: github.com/sanjithchockan

SANJITH CHOCKAN

(512)-998-3647
sanjith.chockan@gmail.com

EDUCATION

The University of Texas at Dallas | BS Computer Science | GPA: 3.77 May 2023

Courses: Data Structures & Algorithms, Database Systems, C/C++ Programming in a UNIX Environment, Software Engineering, Computer Architecture, Digital Circuits, Probability Theory and Statistics

SKILLS

Java, Python C, C++, JavaScript, TypeScript, HTML, CSS, Bootstrap, Assembly (MIPS), OpenCV, Flask, React.js, Node.js, SQL, NoSQL (MongoDB), AWS, Git, Vim, Docker

TECHNICAL EXPERIENCE

Auto.Path – Software Engineer June 2021 – August 2021

- Developed a computer vision application using **Python** and **OpenCV** that performs object detection
- Utilized Canny and Hough Line Transformation functions to detect lanes from car cameras
- Implemented Haar feature-based cascade classifier to train and detect cars from input video

Flexcel-Cloud – Full Stack Developer January 2021 – May 2021

- Developed new feature using **Python** to prevent user data loss leading to 23% increase in user retention
- Built 10 REST APIs using **Flask** framework and deployed backend changes to cloud using **Heroku**
- Used **MongoDB** to store user flows and user metadata such as emails, results in a **NoSQL** format

IEEE CAS Dallas – Software Engineer June 2020 – April 2021

- Redesigned website from WordPress to **React.js** web application increasing unique site traffic by 31%
- Built new UI/UX features using **HTML**, **CSS**, and **JavaScript** to improve website design and functionality
- Continually improved website design and content based on tailored user and management feedback

UTD Software Evolution Research – Student Worker August 2020 – December 2020

- Analyzed open-source **Java** code to trace data constraints in documentation back to source code
- Worked in a team of 4 to Identify patterns to improve requirements-to-code traceability
- Annotated data constraints in software artifacts (User manual, requirements, code documentation)

Parrot.AI – Software Engineer March 2020 – May 2020

- Built a chatbot using **Java** and PircBot Framework displays weather details at a requested location
- Improved speed of user interaction in chatbot by 13% by reducing algorithm and code complexity
- Implemented a HTTP Client class to respond to information requests from a weather REST API

LEADERSHIP ACTIVITIES

UTD Computer Science Mentor Center – Mentor August 2021 – Current

- Mentoring 25+ students weekly on UTD CS courses involving **Java**, **C++**, Discrete Math, and Computer Architecture
- Holding 1 on 1 sessions with students to address individual questions and concerns

IEEE UTD – Tech Committee Member August 2019 – March 2020

- Guided 15+ students through soldering and Arduino workshop activities which increased student participation by 20%
- Increased recruitment of new members by 32% by increasing social media presence