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EDUCATION

University of Texas at Arlington

Masters of Science in Computer Science

Arlington

May 2023

Dayananda Sagar College of Engineering

Bachelors of Engineering in Electronics and Communication

Bengaluru

Aug 2020

SKILLS

Majors: Data Analysis, Machine learning, Web development, Software Engineering, Networks, Databases

Frameworks & Tools: ReactJS, Django, Webpack, NPM, Redux, Bundle, Thread, Socket, Bootstrap, Hadoop, DevTools

Languages: Python, Javascript, C, HTML, CSS

EXPERIENCE

JV Technologies LTD

Software developer Intern

Bengaluru

Jan - Aug 2020

- Developed a client-server model for an intranet, a full-stack web application for monitoring the workforce.
- Implemented MVC model using Django in python. Implemented authentication, authorization in Javascript and configured MySQL for storage.

PROJECTS

Facial recognition software(FRS)

Augmented Reality (AR)

Arlington

present

- Implemented facial detection used for emotion recognition, the TensorFlow machine learning algorithm with image classification models using video webcam of 30 to 60 frames per second.
- Used the ReactJS framework for front-end implementation and deployed the webcam on a compatible browser(Chrome, firefox), which needs drivers and bundles to function on systems.

Vector Clock

Remote procedure call (RPC)

Arlington

Jun 2022

- Implemented using python libraries with thread, socket for server binding, client, and server models to deploy several servers with a single client program, which switches the server depending on event clock by given input.
- Designed partial event ordering at the processor and thread levels used to run a single application over numerous remote servers.

Instagram Bot

Automation

Arlington

May 2022

- Built bot to query number of people not following back on Instagram using Selenium for Google Chrome in Python. Developed a personal project to get hands-on with selenium. Implement validation and testing on web applications in further projects across different browsers and platforms.

Simon Game

Web Application

Arlington

Aug 2022

- Created a game application where the player has to remember all the order of light at the end.
- Implemented a hardware game in Javascript which runs on browsers for game deployment.
- Simon is an electronic game of short-term memory skills, working with a software program for a toy design firm Marvin Glass and Associates.

Todo List

Front-end Application

Bengaluru

May 2021

- Developed and implemented a front-end page to support user interface with the basic CRUD principle.
- Increased performance by using ReactJS to implement hot reloading of simple to-do lists for daily task management.