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EDUCATION

University of Texas at Arlington

Masters of Science in Computer Science and Engineering

Arlington

May 2023

Dayananda Sagar College of Engineering

Bachelors of Engineering in Electronics Engineering

Bengaluru

Aug 2020

SKILLS

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

Frameworks & Tools: Android Studio(Compose), ReactJS, Django, Redux, REST API, Thread, optimizing games, libraries, problem solving, debugging, communication, and collaboration

Languages: Python, Javascript, C, HTML, CSS, ZSH, Bash, Kotlin, C#

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. Configured MySQL for storage.

PROJECTS

Emotion Detection software (FRS)[[Github](#)]

Augmented Reality (AR)

Arlington

Dec 2022

- Implemented facial detection + emotion recognition from video webcam. Used classification models from TensorFlow library.
- Used ReactJS framework for front-end; Keras library to create mesh on the face; Tensorflow library for image recognition model; Flask framework for back-end; Works with the webcam on a compatible browser(Chrome, Firefox), with required drivers and bundles to function.

Vector Clock[[Github](#)]

Remote procedure call (RPC)

Arlington

Jun 2022

- Implemented event handling using data structure used for determining the partial ordering of events in a distributed system and detecting causality violations at the processor and thread levels. Used to run a single application over numerous remote servers.
- Used thread library to create threads in each processor period; Socket library for server binding between Application layer and Transportation layer of OSI model; Client and Server models where several clients request on a single server.

Instagram Bot[[Github](#)]

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[[Github](#)]

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 software using Javascript; Used HTML, CSS for front-end.

Todo List[[Github](#)]

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.