Basavaprasad Gola

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EDUCATION

University of Texas at Arlington — **Arlington**
Masters of Science in Computer Science — *Aug 2021 - May 2023*

Dayananda Sagar College of Engineering — **Bengaluru**
Bachelors of Engineering in Electronics and Communication — *Aug 2016 - May 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 — **Bengaluru**
Software developer Intern — *Jan 2020 - 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) — **Arlington**
Augmented Reality (AR) — *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 — **Arlington**
Remote procedure call (RPC) — *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 — **Arlington**
Automation — *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 — **Arlington**
Web Application — *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 — **Bengaluru**
Front-end Application — *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.