

Shreyas Raj Singh

Richardson, TX, 75080 | 505-567-5469 | srs231198@gmail.com | sxs170100@utdallas.edu
<https://www.linkedin.com/in/shreyasrajsingh> | <https://www.github.com/srs231198>

EDUCATION

Bachelor of Science in Software Engineering

Expected Graduation: **May 2022**

The University of Texas at Dallas, Richardson, TX

GPA: **3.873**

Relevant Courses - Data Structures & Algorithms, Intro to Machine Learning, Database Systems, Software Engineering, Computer Architecture, Probability and Statistics, Discrete Mathematics, C/C++ in Unix Environment

TECHNICAL SKILLS

Programming Languages: C++, Java, Python, HTML, CSS, JavaScript

Web Frameworks: Vue.js, Vuex, Vue router, React.js, Gatsby.js, Node.js, Express.js

Tools: Vue CLI, Vue UI, Vue devtools, Docker, Git, Heroku, Netlify

Machine Learning: Pandas, numpy, Jupyter Notebook

Misc.: Google Foo bar, level 4 (continuing), Python

WORK EXPERIENCE

Software Developer / Project Leader, Trusted World, Dallas, TX

January 2020 - April 2020

Effectively led a team for a community-service project, to develop a web-based inventory management application for a non-profit organization

- Utilized **Vue.js** as the primary front end framework to implement different pages that handle Login, Order Tracking and Order Placement
- Established routes to link between implemented pages using **Vue router**
- Implemented State Management in the project by creating a centralized store through **Vuex**

Freelance Web Developer, HeatedProxies, Dallas, TX

December 2019 - January 2020

Developed a web application to serve as a landing page as per client specifications

- Implemented pages and custom components using **React.js and Gatsby.js**.
- Deployed the website using **Netlify**

PERSONAL PROJECTS

ID3 Algorithm Implementation

September 2020

Implemented the ID3 algorithm using **Python3** and trained it on datasets to build decision trees.

- Utilized **pandas** and **numpy** to construct data tables and calculate entropy and Information Gain
- Trained the Implementation on 8 training sets and increased test accuracy from 76.8% to 87%

Blog App

July 2019 - August 2019

Developed a Blog Application that allows the user to create, read, edit, and delete posts

- Designed and Implemented web pages using Embedded JavaScript (**EJS**).
- Implemented RESTful routes, authentication, and CRUD functionality using **Node.js & Express.js**.
- Created the user identity database for authentication using **MongoDB**.

Weather Warn

July 2019

Developed a Weather Notification system that utilizes Metaweather API to inform the user of the type and predictability of the weather in their city over the next 5 days

- Implemented Search and Results page using **EJS**
- Configured backend API interaction and routes using **Node.js & Express.js**