

KEMPANAHALLI LAKSHMANA ARJUN

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EDUCATION

M.S. in Computer Science The University of Alabama | Huntsville, AL

Aug 2018 – April 2021

B.E. in Electronics and Communication Visvesvaraya Technological University | Belgaum, India

Aug 2013 – June 2017

SKILLS

Programming JavaScript | Java | Python | SQL | NoSQL | C/C++ | HTML5 | CSS3 | Typescript | Golang | Rust

Tools & Libraries React | Node JS | Spring Boot | Mango DB | MYSQL | D3.js | Sass | Express.js | Git | AngularJS | Vue.js

Key Courses Data Structures | Design & Analysis of Algorithm | Data Base Systems | Advanced OS | Machine Learning

EXPERIENCE

- Graduate Teaching Assistant -** Apr 2020 – May 2021
The University of Alabama in Huntsville
 - Responsible for assisting and grading undergraduate students in **Data Structures** (CS 221), and **Design and Analysis of Algorithms** (CS317), **Introduction to Java** (CS103).
 - Worked on course website and improved **UI/UX experience** from ground up, students could navigate entire course contents from the homepage and **96%** had a positive feedback.
- Graduate Research Assistant -** Dec 2020 – Apr 2020
The University of Alabama in Huntsville
 - Developed web dashboard UI for TCCC caseworkers to make monitoring of people on parole(from their phones) **easier by 70%** and was far more **intuitive** than their previous tool.
 - Communicated and discussed with the higher level non-technical team, got the specific requirements and built a web dashboard comprising of Data Visualization, progress report widget, analytics of GPS data, an assessment tool.
 - Used **D3.js**, **Sigma.js**, **Chart.js**, **JavaScript** library **React** to combine the Front-end interface.
- Freelance Full Stack Web Developer -** Jul 2017 – Aug 2018
Self-Employed
 - Built user interface, data visualizations and designed overall user experience for various small and medium-size businesses.
 - Constructed an **e-commerce web application** for a local Restaurant Ruchi that lets customers virtually design their own recipe and order directly; led to an increase in sales by **80%**.
 - Collaborated with the customers & visited their locations to **understand their vision** & gather specifications to build the company's website. Bolstered overall user experience by **60%** and achieved **98% customer satisfaction**.
- Co-Founded Elemento Systems -** Jun 2015 – Aug 2017
Startup-Business
 - Custom designed and assembled PC components for about **49 PC enthusiasts** and had an avg rating of **4.6/5 star rating**.
 - Offered AMC for computer systems for about **9 small scale businesses** such as internet cafes and printing presses.

PROJECTS

- A Destination Tour App -** Apr 2020 – Present
A **MERN Full Stack Backend** focused application using **Node.js** based **Express.js** framework, **Mongo DB (NoSQL)** based **Mongoose** library for the Database system and **React** library for Front-End. The users are authenticated using **JWT** and can select and book across various packages for the tour and checkout by making payments through a secured and popular **Stripe** API, share their experience through a review by uploading images using the **Multer** package. A complete email handler using **Pug** templates and **SendGrid** email API for queries and contacts.
- Word-Search Game API -** Jun 2019 – Dec 2019
A **Java**, and **JavaScript** based full stack application using **Spring Boot** for the back end and **HTML**, **CSS** for UI. Users inputs the words which would be placed in a rectangular grid and then they find and mark all the words hidden inside the box.
- Video Game Info Website -** Dec 2019 – Apr 2020
A **Responsive**, **React**, and **Redux** library-based website fetch data using **Axios** from RAWG Video Games API. Automatically display and update details of the popular and upcoming games, and the platforms it's been supported on.