Arlington, TX
(682)-552-3694
esriramkalyan@gmail.com

Sri Ram Kalyan Eathakota

linkedin.com/in/sriramkalyan
Click here for my Portfolio

My current goal is to gain in-depth knowledge and acquire a precise skillset to cast my spells in the field of Data Science and Software development.

EXPERIENCE

Web Developer (Student Assistant)   **March 2021 — Present**
University of Texas at Arlington-College of Science   Arlington,TX
- Using Sitecore CMS and Cascade CMS to develop web pages for the College of Science website.
- Full stack development and complete management(content creator and publisher) of the website using HTML, CSS and JS.

Web Development Intern   **May 2018 — June 2018**
Shiftwave Technologies   Vizag, India
- Created, Designed and managed Web pages using WordPress, HTML, JS, and MySql. Modified content for multiple websites that were managed by the company.

PROJECTS

Sentiment Analysis of Twitter data using Machine Learning Techniques
- Developed a machine learning pipeline involving the use of three classifiers (Logistic Regression, Bernoulli Naive Bayes, and SVM)along with using Term Frequency- Inverse Document Frequency (TF-IDF).
- The performance of these classifiers is then evaluated using accuracy and F1 Scores.

Siremar
- Developed a website called Siremar luxuries. The basic use of siremar is to manage the citizens of an island, there businesses,trades, Migrations and Immigrations etc.
- Used HTML, CSS(initially) and React for the later part. Used SQL, php,laravel and node JS for the backend(database and framework).Used Wordpress for the island's blog.

Continuos Care System using IoT
- The main aim of theproject is to build a device that will be able to continuously check the vitals(heart rate, pulse rate, and temperature) of a person, collect that data, and send that data to an online server in a graphical representation.
- Attached a GPS module to the device to monitor the location of the patient, and if a vital is not right, the device will send an alert to a doctor. We can further use the data received from the device for analysis purposes.
- The target audience is the old aged people, and the objective is to reduce their cumbersome visits to the hospitals. During this project, I have learned how to program in Arduino and use various sensors such as LM35, ESP8266, Pulse sensor, and NEO 6M GPS module.

CIFAR10 Image Classifier
- Built an Image classifier using packages such as TorchVision and built a Convolutional Neural Network to classify the images in the CIFAR10 dataset.
- The optimization has been done using CrossEntropy Loss and SGD with momentum.

Airline Management System
- Tata Consultancy Services has offered this project. It was a team project in which I was the team leader and the scrum master. We created a web application with multiple web pages using HTML and CSS, and a SQL database using myPHPadmin.
- The objective was to build a web application that manages ticket booking, seat selection, and boarding pass of the passenger. In this project, I also learned how to create barcodes: which we used for the boarding passes.

Self-Learning Neural Network
- Developed a simple multi-layer and self-learning neural network from scratch without using Neural Networks library.Done this by using the Back Propagation algorithm and the Numpy library in python.

Automated Student Out Pass Management
- Used SQL, HTML, and CSS, to build an application that manages, approves, and records the entry and exit of every hosteller in my university.

EDUCATION

M.S. Computer Science, University of Texas at Arlington, CGPA: 3.6/4.00   **January 2021 — December 2022**
- Data Analysis and Modelling Techniques; Design and Analysis of Algorithms; Software Engineering- Management, Maintenance, and Quality Assurance; Data Mining; Neural Networks; Machine Learning; Advanced Databases/Cloud Computing; Web Data Management; Artificial Intelligence-I; Information Security-I.

B.Tech. Computer Science, Amrita School of Engineering, GPA: 6.9999/10.00   **JUNE 2015 — JULY 2019**

TECHNICAL SKILLS

Technologies and Programming Languages

- Java, Python(Keras, TensorFlow, Scikit-Learn, Flask),React, C, MySql, HTML, CSS, Visual Studio, Arduino, Adobe Photoshop, Adobe Premier Pro, Adobe Lightroom, MS Office.

Project Management

- Agile, Scrum, MS Project