# Venkata Madhu Meghana Thallu

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# SUMMARY

# Being an autodidact and becoming a pioneer in latest technology by taking a challenging position in an organization where skills can be enhanced and utilized for the organizational growth in the best way possible with great determination, dedication, and commitment.

* Seeking to leverage broad development experience and hands-on technical expertise in a challenging role as a Software Engineer Developer.
* Hands-on expertise using Data Structures and Algorithms, Object Oriented Software Design, Databases, software design and backend coding

# EDUCATION

**Master’s in Computer Science June 2023 | CGPA-4.0/4.0**

The University of Texas at Arlington

**Bachelor of Technology in Computer Science Aug 2021 | CGPA-9.18/10**

Sreenidhi Institute of Science and Technology

# PROFESSIONAL EXPERIENCE

**Ivy Comptech**

**(Software Engineer Trainee) Aug 2021-Jan 2022**

* During my training period, I gained experience working on core java, Spring Framework, Angular.js
* A Restaurant Application using Angular framework

Implemented user signup and login authentication, with options like display the list of food menu, search a food item/restaurants, add them to cart, place the order generating the total cost for the order using Angular.js.

# Coign Consultants pvt ltd

**(Machine Learning Intern) Jun 2019 – Aug 2019**

* Developed a project Face Detection and Recognition using Machine Learning in python. Making use of Numpy, OpenCV, haarcascade files, it recognizes the face after training the system with the images of that person by detecting the face in the images.

# TECHNICAL SKILLS

**Programming Languages/ Frameworks:** Java, Python**,** SQL

**Web Development:** HTML, CSS, JavaScript

**Tools & Servers:** Eclipse, Jupyter, GitHub, Visual Studio, Excel, MySQL

**Frameworks:** Jupyter notebook, Pytorch, React, Angular, AWS, Node.js, ReactJs, TensorFlow, TFLite

**Coursework:** Design and Analysis of Algorithms, Machine Learning, Data Mining, Artificial Intelligence, Web Data Management, Parallel processing.

# ACADEMIC PROJECTS

**Developed a e-commerce online shopping dynamic website using ReactJS, Php, Laravel Aug 2022-Oct 2022**

* Implemented a fully dynamic website with all validations and working, on MVC framework.

**House Prices Prediction-Advanced regression techniques (Kaggle challenge) June 2022-Aug 2022**

* Predicted sales price using random Forest trees and gradient boosting algorithms

**Built an e-commerce online shopping website using ReactJs, Express Js, Firebase and Stripe. April 2022-June 2022**

* Implemented user authentication and hosting using Firebase and integrated a payment system using Stripe.
* Website Link: https://clone-9f259.web.app/

**Robot-ouille: The In-Home Cooking Assistant that serves Independence with Food using Webots Feb 2022–April 2022**

* Robotics based research into helping disabled/paraplegics live a better life by creating more handicap friendly assistance devices.
* Created and studied the required engineering behind implementing a cooking/chef robot that could either be autonomous or acts as a support to humans within the kitchen.
* Employ C++ and Webots to simulate a "perfect" cooking system.

**Traffic Sign Detection and Classification using Deep Learning Mar 2020-May 2020**

* To achieve level 5 autonomous, the vehicles need to understand and follow all traffic rules. Hence, Convolutional Neural Network, is used to train the dataset. The training process will run for a fixed number of iterations through the dataset called epochs.
* Model performed better with 64 batch size and after 15 epochs the accuracy was stable i.e., 95% accuracy on the training dataset.
* Implemented using libraries in python such as Keras, Numpy.

# PUBLICATIONS

* Awarded in recognition of the Publication of the paper entitled **A survey of paper on Research and classification of SearchEngine.** (Published on www.jetir.org)