

# VIDHYADHARA TEJA KATRAGADDA

## Summary

Dynamic IT professional with programming experience. Utilizing analytical skills to identify, test and debug program faults and completing business requests. Effectively able to work well under pressure while routinely meeting project deadlines. A professional with expertise in Python, Web technologies and Cloud Technologies. To acquire the position of a Full Stack Developer and utilize my technical knowledge by contributing to the company as well as the community is something I strive to accomplish.

## Employment

### Saint Mary's University

Web Developer Research Assistant

Nov. 2019 to Current

- Worked in a soccer video analysis project to develop a web application to analyze the video according to the person or object.
- Developed dynamic and static web pages using HTML5, CSS3, jQuery, bootstrap, and Javascript.
- Fixed bugs and implemented enhancements introduced which significantly improved web functionality that could handle 1GB of Data.
- Used Amazon S3 to store the video data.
- Used jQuery Ajax to send JSON request , working with d3.js for advanced visualization and video processing has been carried out with OpenCV in the flask.
- Made enhancements to the existing prototype by following SDLC that significantly improved the user interface.

### BEPEC Solutions Private Limited

Full Stack Developer Internship

- Worked in customer behavior analysis project to predict the behavior of customers based on historical data.
- Involved in a complete software development life cycle including analysis, design, development, and testing. Collaborated closely with the upper management team to implement new strategies through the development and implementation of new processes.
- Gathered client requirements, procedures according to the project. Debugged, recorded and executed programs. Obtained meaningful insights from unstructured data.
- Collected data from various sources and formed into a single data source and performed EDA on data files using R.
- Converted voice to text for data preprocessing.
- Developed an NLP model to predict customer purchase choice based on the voice samples using Python, NLTK Toolkit in which effectively increased the prediction of the customer behavior pattern.
- Improved performance and tested on different algorithms. Designed UI for support application using HTML5, JavaScript, Bootstrap, and CSS.

### The Campus Connect

Data Analyst Internship

July 2018 to Nov. 2019

- Worked in a security agency project to analyze the requirements and to develop an application using image processing to keep track of the vehicle registration plate.
- Worked with image processing, neural network and different deep learning algorithms.
- Collected and recorded huge data at various field sites for later assessment and data analysis.
- Implemented Mask R-CNN to find the relevant segment of the image, used OCR for character recognition from the relevant segment of the image.

## Projects

### Amazon Alexa Skill

- Developed custom skills for Amazon Alexa using AWS lambda function using Node.js to send user requests and can inspect the request and take the necessary actions and then send back a response.

### Halifax-Public-Library-PHP-SQL-Application

- The project was focused to improve the existing database design of the library.
- Involved database design and responsible for creating and modifying Database Objects.
- Used Python scripts to load flat files to MYSQL.
- Developed UI to perform the transactions.
- A PHP web application was created to allow users to access and maintain the database.

### Employee Lobby Kiosk

South Central Indian Railways, India

- Developed an Enterprise Application for Employee Lobby.
- Used J2EE technologies to add functionalities to existing applications under supervision.
- Developed responsive web UI using HTML, CSS, and JavaScript.
- Designed Database for the application
- Implemented all Validations using JavaScript and Launched successfully with the kiosk.

## Contact

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## Education

Saint Mary's University Sept. 2019 to Current  
MSc in Computing and Data Analytics

Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology July 2014 to Apr. 2018  
Bachelor's in Computer Science and Engineering

## Skills

### PROGRAMMING LANGUAGES

Python, R, C and Java.

### WEB TECHNOLOGIES

HTML5, CSS3, Bootstrap, MUI, CSS, jQuery, PHP, React , Node.js and JavaScript.

### DATABASES

MYSQL, Oracle and DynamoDB.

### FRAMEWORK

Flask, Express, and Spring.

### ANALYTICAL TOOLS

Tableau, Excel and Minitab.

### IDE

Eclipse, NetBeans, Visual Studio Code and Visual Studio.

### WEBSERVICES

RESTful

### AMAZON WEB SERVICES

S3, Lambda and EC2.

### SOFT SKILLS

Quick Learner, Strategic Thinking, Team Player, Positive Attitude, Self Motivated, Organized and Problem-Solving.

### ACTIVITIES

IBM Hackcamp challenge.

<https://public.tableau.com/profile/vidhyadharateja.katragadda#!/>

### AWARDS

Secured bronze medal in Hackerrank Week Of Code.