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 Java, Python and Web technologies. To acquire the position of a Software 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 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 jQuery Ajax to request JSON and sent a response as a CSV, working with d3.js for advanced visualization and video processing is carried out with OpenCV.
- Made enhancements to the existing prototype by following SDLC that significantly improved the user interface.

BEPEC Solutions Private Limited
Jr Data Scientist Internhip

- 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.
- Gathering 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

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.
- Worked on the Struts framework to develop a J2EE application.
- Worked with SQL to maintain the Employee Record.
- 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.

goExplore
- Developed event management web application by following the waterfall model.
- Worked on ASP.Net, C#, and MVC.
- Client-side validation is done.
- Resolved the issues and Deployed web application on Microsoft Azure.

Contact

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Education

Saint Mary's University — Sept. 2019 to Current
MSc 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
Java, Python, R,C,C#

WEB TECHNOLOGIES
HTML5, CSS3, Bootstrap, MUI, CSS,jQuery, PHP and JavaScript.

DATABASES
SQL, Oracle, MongoDB

FRAMEWORK
Asp .Net, Spring, Express

ANALYTICAL TOOLS
Tableau, Excel, Minitab

IDE
Eclipse, NetBeans, Visual Studio Code, Visual Studio

WEBSERVICES
RESTful

SOFT SKILLS
Project Management, Quick Learner, Strategic Thinking, Team Player, Interpersonal Skills, Leadership Qualities, Positive Attitude, Communication Skills, Self Motivated, Organized and Problem-Solving.

DOMAIN KNOWLEDGE
Banking and Insurance,Energy and Resource, public sector

ACTIVITIES
IBM Hackcamp challenge IBM Watson
https://public.tableau.com/profile/vidhyadharateja.katragadda#!/

AWARDS
Bronze Hackerrank Week Of Code 30